

Index of Course Descriptions by Course Subject Code

ACCT	Business: Accounting and Taxation	334	PHYS	Physics	449
AMST	American Studies	337	PSM	Professional Science Master's	451
ANTH	Anthropology	337	PSYC	Psychology	451
ARTH	Art: Art History	340	PUAD	Public Administration	455
ARTS	Art: Studio	344	PUBH	Public Health	461
ATEC	Audio Technology	346	REAL	Business: Real Estate	461
BIO	Biology	348	RELG	Religion	462
CHEM	Chemistry	351	SABD	Study Abroad	463
COMM	Communication	353	SISU	International Service Undergraduate	464
CSC	Computer Science	367	SIS	International Service	471
ECON	Economics	369	SISA	International Service Study Abroad	483
EDU	Education	375	SOCY	Sociology	488
ENVS	Environmental Studies	381	STAT	Statistics	491
FIN	Business: Finance	383	TESL	TESOL	493
GDES	Art: Graphic Design	386	UGST	Undergraduate Studies	494
GNEC	General Education	387	WGSS	Women's, Gender, and Sexuality Studies	494
GOVT	Government	387	WLC	World Languages and Cultures:	
HFIT	Health and Fitness	396		ARAB Arabic	495
HIST	History	400		CHIN Chinese	497
HNRS	University Honors	407		FREN French	498
IBUS	Business: International Business	408		GERM German	500
IDIS	Interdisciplinary	410		HEBR Hebrew	502
ITEC	Business: Information Technology	410		ITAL Italian	502
JLS	Justice, Law and Society	415		JAPN Japanese	503
JWST	Jewish Studies	421		KOR Korean	503
KSB	Business	421		PERS Persian	503
LIT	Literature	424		PORT Portuguese	503
MATH	Mathematics	430		RUSS Russian	503
MGMT	Business: Management	433		SPAN Spanish	504
MKTG	Business: Marketing	436		SWAH Swahili/Kiswahili	508
MUS	Performing Arts: Applied Music	439	WSEM	Washington Semester	508
PERF	Performing Arts	439			
PHIL	Philosophy	446			

Course Descriptions

Business: Accounting and Taxation

Undergraduate Courses

ACCT-240 Principles of Financial Accounting (3) An introduction to the accounting profession; business entities; and all elements of basic financial statements. Introduces financial statements as a communications link between firms and their stakeholders and as a basis for assessing managerial performance.

ACCT-241 Principles of Managerial Accounting (3) Students are introduced to cost measurement and analysis, budgeting, and performance evaluation. Focuses on how managers use accounting information as a basis for planning and controlling operations. *Prerequisite:* ACCT-240 with a grade of C or better.

ACCT-301 Introduction to Business Law (3) Introduction to U.S. laws governing the conduct of business affairs. Examines sources of law; the framework of civil procedure; and the nature of legal analysis. Includes an introduction to law of contracts; law of torts; and other topics.

ACCT-340 Intermediate Accounting I (3) The first of a two-course sequence on financial accounting and reporting. Provides a comprehensive overview of financial statements; considers issues involved in recognizing and measuring assets; equities; and income; introduces the rationale for accounting standards and techniques for researching existing standards; and applies these tools and techniques to accounting and reporting for revenues; receivables; inventories; cost of sales; fixed assets; and intangibles. *Prerequisite:* ACCT-240 and ACCT-241 (may be taken concurrently with permission of instructor or department chair).

ACCT-341 Intermediate Accounting II (3) The second of a two-course sequence on financial accounting and reporting. Students use concepts and techniques developed in ACCT-340 to study the accounting and reporting for liabilities; owners' equity; and the preparation and interpretation of the statement of cash flows. *Prerequisite:* ACCT-340.

ACCT-345 Cost Accounting and Strategic Cost Management (3) Provides an understanding of cost management concepts and the use of cost management to achieve organizational goals. Focuses on how management control systems for performance measurement; compensation; and allocation of decision rights interrelate. *Prerequisite:* ACCT-241.

ACCT-390 Independent Reading Course in Accounting (1-3) *Prerequisite:* permission of instructor and department chair.

ACCT-391 Internship in Accounting (1-6) Provides students with the opportunity to blend practical business work experience with academic study. The academic workload varies depending on the internship credit to be earned. *Prerequisite:* ACCT-241 with a grade of C or better.

ACCT-443 Federal Income Taxation of Individuals and Businesses (3) Introduction to federal income taxation of individuals, partnerships, and corporations, providing a broad overview of the importance of tax considerations in business decisions. *Prerequisite:* upper-division standing.

ACCT-444 Strategic Tax Planning for Business and Personal Financial Decisions (3) Building on basic concepts from ACCT-443, this course introduces strategies for tax planning and research. Students apply these strategies to a number of important tax issues. Tax compliance issues are also considered. *Prerequisite:* ACCT-443 with a grade of C or better.

ACCT-490 Independent Study Project in Accounting (1-3) *Prerequisite:* ACCT-241 with a grade of C or better, upper-division standing, and permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

ACCT-502 Advanced Business Law (3) Functions, form, and content of commercial paper; law of real and personal property; legal bibliography; legal requirements of business; and case research.

ACCT-547 Advanced Financial Reporting (3) Provides in-depth coverage of consolidated financial statements and of accounting and reporting for securities investments; business combinations; and partnerships. *Prerequisite:* ACCT-341 or ACCT-641.

ACCT-549 Contemporary Assurance and Audit Services (3) Introduces the role of the audit and assurance services in financial markets. Focuses on the ethical and legal obligations of audit professionals, practice standards, risk assessment and the evaluation of internal controls, audit evidence, levels of assurance, attestation requirements, and the impact of information technology on audit practice. *Prerequisite:* ACCT-340 or ACCT-641, or permission of instructor.

ACCT-550 Accounting Information Systems (3) Concepts and techniques of analyzing, designing, and implementing accounting information systems. Evaluation of computer- and non-computer-based information systems for organizations of various kinds. *Prerequisite:* ACCT-241 or ACCT-607 and ACCT-609.

ACCT-551 Forensic Accounting: Fraud Examination and Litigation Support (3) This course examines the nature of financial fraud and provides students with knowledge of the skills needed to identify and deter financial deceptions. Students are introduced to fraud examination techniques used by forensic accountants during various stages of an investigation and about the forensic accountant's role in the litigation process. *Prerequisite:* ACCT-340, or ACCT-607 and ACCT-609, or permission of instructor.

ACCT-560 Governmental and Not-for-Profit Accounting (3)

Accounting and financial reporting concepts and standards applicable to local, state, and federal governments, and non-profit entities such as colleges and universities, health care entities, and voluntary health and welfare organizations. Emphasizes the nature of governmental organizations and their financial characteristics and differences in reporting standards from the private sector. Financial management and audit issues particular to non-profits are also discussed. *Prerequisite:* ACCT-340 or ACCT-607 or permission of Director of the MS Accounting program.

Graduate Courses

ACCT-600 Ethics in Business and Accounting (3) Examines major ethical issues facing business with particular emphasis on the accounting profession. Includes the profit motive and the public good, social responsibility in corporations, environmental concerns, consumer and employee relations, confidentiality, whistle blowing, advertising, and hiring practices. The AICPA Code of Professional Conduct is studied and contrasted with ethical codes of other organizations and professions. The course also includes analysis of domestic and international case studies.

ACCT-601 Legal Aspects of Business and Governance (1.5)

An introduction to the legal issues involved in choosing, designing, and organizing an appropriate entity to carry on a business. Analysis of legal implications of the entity for management and governance of the business, including its disposition and liquidation. Emphasis is placed on special considerations for start-up businesses, changes in a legal entity because of growth or other circumstances, and positioning for domestic or international expansion or public financing.

ACCT-604 Tax Planning for Individuals and Business Enterprises (3)

A study of federal income tax laws relating to individuals, partnerships, and corporations. Detailed consideration to basic income tax concepts applicable to individuals, property and business transactions, corporations (including S Corporations) and their shareholders, partnerships, and limited liability companies. *Prerequisite:* ACCT-607 or permission of Director of the MS Accounting program.

ACCT-607 Financial Accounting (3) Introduces the accounting model of the firm; the financial accounting cycle; and methods firms use to account for their operating; investing; and financing activities. Examines uses of accounting information; the roles of the accounting profession; and social, political, and economic influences on accounting policies and professional practices.

ACCT-609 Management Accounting (1.5) Provides students with a working knowledge of the principles, concepts, and techniques of cost measurement, cost management, and modern management control systems used in practice, including job-order costing, cost behavior, cost-volume-profit analysis, traditional and activity-based product costing, intra-firm performance evaluation, and tools for performance measurement and decision-making. *Prerequisite:* ACCT-607 (may be taken concurrently).

ACCT-611 Cost Accounting for Strategic Management (3) For students preparing for careers in accounting; management; management consulting; financial management; and financial analysis. Introduces concepts and tools needed to understand and effectively use managerial accounting information to monitor and control costs; plan operations; and measure; monitor; and motivate performance. *Prerequisite:* ACCT-609.

ACCT-623 Business Law (3) An intensive introduction to the legal and ethical issues confronting the global business manager. Explores the legal system, legal processes, and several areas of commercial law relevant to the business manager, and also develops recognition of legal and ethical issues and their managerial implications. Examines product liability, the contract as the fundamental legal instrument of global commercial relations, agency, and the law of torts.

ACCT-630 Legislative and Judicial Foundations of Income Tax (3)

Legislative and judicial concepts common to all areas of income taxation. Emphasis on analysis of court decisions to trace the development of judicial doctrines. Subject areas include substance over form, characteristics of income, dispositions of assets, capital gains and losses, tax credits, limitations on business expenses and losses, and tax accounting principles. *Prerequisite:* admission to the graduate tax program or graduate accounting program or permission of Director of the MS Taxation program.

ACCT-631 Tax Research and Procedure (3) Thorough analysis of techniques for performing sophisticated tax research including on-line services; treatises; IRS sources; and court decisions. Analysis of tax procedure including IRS organization; audit procedures; assessment; collection; and refunds; limitations; penalties; responsibility in tax practice. Emphasis on practical applications. *Prerequisite:* admission to the graduate tax program or graduate accounting program or permission of Director of the MS Taxation program.

ACCT-641 Corporate Financial Reporting (3) Application and use of financial accounting in a decision-making framework. Emphasizes corporate financial reporting strategies, preparation of financial statements, and interpretation of financial statements by external users. Examines issues related to income determination and valuation of assets, liabilities, and equity. *Prerequisite:* ACCT-607.

ACCT-670 International Accounting (3) Basic concepts and technical issues in international accounting. A broad introduction to the international business dimension as a context for in-depth study of accounting in a multinational environment. Includes internationalization of accounting standards, currency translation problems, transfer pricing, and comparative practices in reporting. *Prerequisite:* ACCT-607 and ACCT-609.

ACCT-677 Financial Statement Analysis (3) This course explores the use of financial statement information by investors and analysts as a basis for understanding a firm's current performance, assessing its future prospect and valuing ownership and other claims. The focus is on use of accounting information for equity valuation, but other applications are also considered. Meets with FIN-677. *Prerequisite:* ACCT-607 and FIN-614, or equivalent with permission of the chair of the Department of Accounting and Taxation.

ACCT-680 Advanced Forensic Accounting and Fraud Investigation (3) This advanced course focuses on the detection and investigation of business crimes with an emphasis on the forensic accountant's role in uncovering fraud. Topics include fraudulent financial statement analysis, fraud detection using electronic evidence, and legal issues that arise during the investigation and litigation process. Students also learn how to calculate damages, write an expert report, and testify in court. *Prerequisite:* ACCT-551.

ACCT-685 Topics in Accounting (1.5-3) Topics vary by section, may be repeated for credit with different topic. Rotating topics examine critical issues in accounting practice, accounting theory and interdisciplinary perspectives. In-depth coverage of topics such as issues in financial accounting, management accounting, assurance services, or accounting information systems.

ACCT-690 Independent Study Project in Accounting (1-6)
Prerequisite: permission of instructor, department chair, and associate dean.

ACCT-691 Internship (1.5) May be taken pass/fail only. *Prerequisite:* permission of instructor and department chair.

ACCT-725 Modern Management Control Systems (3) Integration of managerial aspects of accounting, business, and the functions of decision making, planning and control. Consideration of both quantitative and behavioral dimensions of contemporary accounting and management control systems. *Prerequisite:* ACCT-609.

ACCT-740 Taxation of Corporations (3) Income taxation of C corporations and their shareholders including formation capitalization, redemption, and liquidation rules. Emphasis on reorganizations, carryover of tax attributes, multiple corporations, consolidated returns, and financial reporting for income taxes. *Prerequisite:* ACCT-630 or admission to the graduate tax program or permission of Director of the MS Taxation program.

ACCT-741 State and Local Taxation (3) Examination of the constitutional and practical constraints on taxing jurisdiction of state and local governments; conformity with federal law, apportionment of income, multistate and multinational corporation problems, transaction taxes, property taxes, death and gift taxes. Detailed analysis of the Uniform Division of Income for Tax Purposes Act (UDITPA). *Prerequisite:* ACCT-630 or admission to the graduate tax program or permission of Director of the MS Taxation program.

ACCT-742 Special Tax Topics (1-3) Topics vary by section, may be repeated for credit with different topic. Rotating specialized tax topics or analysis of current tax legislation. Topics include taxation of banks, insurance companies, security transactions, tax exempt organizations, cooperatives, natural resources, or accounting periods and methods. *Prerequisite:* ACCT-630 or permission of Director of the MS Taxation program.

ACCT-743 International Taxation (3) U.S. tax law related to investment by U.S. persons overseas and foreign persons in the United States. Includes the foreign tax credit, Subpart F. PFICs, FSCs transfer pricing, FIRPTA, section 911, and the role of tax treaties. *Prerequisite:* ACCT-630 or permission of Director of the MS Taxation program.

ACCT-745 Employee Benefit Tax Planning (3) Analysis of income tax aspects of compensation benefits for employees at all levels and for self-employed persons. Detailed consideration of qualified pension and profit-sharing plans, individual retirement accounts, Keogh plans, statutory and nonstatutory stock options, and other fringe benefits (life insurance, medical plans, etc.). *Prerequisite:* ACCT-630 or permission of Director of the MS Taxation program.

ACCT-746 Taxation of Real Estate Transactions (3) Income tax aspects of acquiring, operating, and disposing of investment and personal real estate. Detailed consideration of deductions (including ACRS), conventional and creative financing techniques, foreclosures and repossessions, subdivision, sale/leaseback transactions, tax-deferred exchanges, involuntary conversions, sale of a principal residence, and special problems of agricultural property. *Prerequisite:* ACCT-630 or permission of Director of the MS Taxation program.

ACCT-747 Taxation of Pass-Through Entities (3) Income tax aspects of transfers to, distributions from, and operation of partnerships and S corporations. Consideration given to withdrawal or death of a partner, dissolution issues, sales and exchanges of partnership interests, special partnership allocations, and penalty taxes on S corporations. *Prerequisite:* ACCT-630 or permission of Director of the MS Taxation program.

ACCT-750 Tax Policy (3) Study of the economic, social, ethical, and political forces in the development of tax policy. Specifically addressed are alternative approaches to taxing income, the practical political environment of enacting tax legislation, and the international influences on U.S. tax policy. *Prerequisite:* ACCT-630 and 3 credit hours of coursework in economics, or permission of Director of the MS Taxation program.

ACCT-751 Seminar in Business Tax Planning (3) Use of case methodology to integrate tax considerations with accounting, economic, managerial, and nontax legal considerations for planning business transactions. Includes organization, operation and liquidation of closely held businesses, including C corporations, partnerships, limited liability companies, and S corporations. *Prerequisite:* permission of Director of the MS Taxation program.

ACCT-752 Estate and Financial Family Tax Planning (3) An examination of income, estate, and gift tax rules coupled with nontax legal and financial considerations in establishing a tax-efficient wealth transfer plan within a family. Includes detailed analysis of the income taxation of estate and trusts (Subchapter J). Estate planning legal mechanisms, charitable and family gifts, private foundations, and issues in disposing of closely-held business interests are also studied. *Prerequisite:* ACCT-630 or permission of Director of the MS Taxation program.

ACCT-760 Advanced Auditing and Professional Practice (3) Advanced study of auditing theory, standards, and practices as well as other contemporary issues in professional accounting practice. Includes standard setting processes, legal and ethical responsibilities, statistical sampling, information systems audits, internal/operational audits, government compliance audits, and international auditing standards. Also examines the contemporary environment of the accounting profession and the evolution of professional practice. *Prerequisite:* ACCT-549.

ACCT-780 Seminar in Accounting Theory (3) Examination of the development of accounting theory and, in the context of the current state of the accounting theory, a critical analysis of contemporary accounting issues including ethical and professional implications. Review of relevant literature related to advanced accounting topics. Students hone communication skills in the context of advanced accounting thought; gain insight into accounting research and analytical skills; and develop the ability to reason through complex reporting situations using existing standards and principles. *Prerequisite:* ACCT-641 or permission of program director.

ACCT-797 Master's Thesis Seminar (3-6) *Prerequisite:* permission of department chair.

American Studies

Undergraduate Courses

AMST-140 Washington, D.C.: Life inside a Monument (3) Explores the unique nature of Washington, D.C. as a transnational city, the nation's capital, and a regional center for art, community activism, and politics in the region. Usually offered every term.

AMST-200 American Dreams/American Lives (3) Introduction to the interdisciplinary study of American culture, past and present. Emphasizes reading critically, thinking historically, practicing interdisciplinarity, and acknowledging diversity. Students analyze and synthesize multiple kinds of primary sources (such as fiction, film, music, art) and disciplinary perspectives (sociology, economics, media criticism) to better appreciate the complexity of American life and culture. Usually offered every fall.

AMST-240 Poverty and Culture FA4 (3) Students explore and debate rival theories about the causes and consequences of poverty. Why poverty occurs, why certain people are poor, how poverty influences family and community life, and how the poor respond to their situation and sometimes try to change it. Usually offered every spring.

AMST-320 American Cultural History (3) Topics vary by section, may be repeated for credit with different topic. Courses explore political and economic affairs, international relations, social change, literature, drama, music, and fine and popular arts in American history. Usually offered every term.

AMST-330 Contemporary American Culture (3) Topics vary by section, may be repeated for credit with different topic. Interdisciplinary explorations of American media, politics, ethnography, literature, and art. Usually offered every term.

AMST-340 Community Activism and Regional Studies (3) Topics vary by section, may be repeated for credit with different topic. Explores the contemporary and historical development of Washington D.C. and the Chesapeake region; or invites students to interact with communities and the environment in the area. Usually offered every term.

AMST-390 Independent Reading Course in American Studies (1-6) *Prerequisite:* permission of instructor and program director.

AMST-400 Interpreting American Culture (3) Seminar in American Studies theory and methods. Discusses emerging and controversial approaches to American culture while teaching students to analyze a variety of primary sources such as TV shows, films, art, and new media. Usually offered every spring. *Prerequisite:* AMST-200.

AMST-410 Senior Thesis (3) Original interdisciplinary research as a capstone to the major. Usually offered every term. *Prerequisite:* AMST-400.

AMST-490 Independent Study Project in American Studies (1-6) *Prerequisite:* permission of instructor and program director.

AMST-491 Internship in American Studies (1-6) Practical experience in a local organization such as a government office, museum, arts agency, or social action group. The internship is supervised by faculty and helps students to translate American Studies theory and method into professional skills and opportunities. *Prerequisite:* AMST-200 and permission of instructor and program director.

Anthropology

Undergraduate Courses

ANTH-110 Culture and the Human Experience FA3 (3) People around the world create and use systems of symbols to express their identities as members of social groups. This course draws on diverse life-cycle experiences in tribal, state-level, and post-colonial societies to explore ways that both tradition and contact with other cultures contribute to the cultural pluralism of the contemporary world. Usually offered every term.

ANTH-150 Anthropology of Life in the United States FA4 (3) How race, gender, class, ethnicity, age, and region affect Americans' experiences of interwoven historical, economic, political, scientific, religious, and cultural processes. Usually offered every fall.

ANTH-210 Roots of Racism and Interracial Harmony FA3 (3) Examines why racism has often characterized the relations between human groups, and compares these cases with other societies which have been nonracist. Social stratification, ideas about the nature and role of individuals, and economic factors are considered within and across cultures. The course links analysis of the past to possible social action. Usually offered every term.

ANTH-215 Sex, Gender, and Culture FA3 (3) How economic systems, social structures, and values construct and redefine biological distinctions between women and men. Includes gender in egalitarian societies; origins and consequences of patriarchy; gay and lesbian cultures; gender, politics, and social change. Case studies from tribal, state-level, and post-colonial contexts. Usually offered every term.

ANTH-220 Living in Multicultural Societies FA3 (3) Foreign trade, foreign aid, tourism, and migration establish ties between peoples and cultures in spite of political and historical divisions. This course examines the effect of international migration and the growing "one-world" economy on the daily lives of peoples around the world and in the emerging multicultural urban centers in the United States. Usually offered every spring.

ANTH-225 Language and Human Experience FA1 (3) Examines language and its contribution to creativity, and how knowledge of language enriches human experience. Includes imagery and metaphor building through language; the effects of topic, speaking situation, and gender on creativity in tribal, state-level, and post-colonial contexts; and ways written language recasts and redefines human imagination. Usually offered every fall.

ANTH-230 India: Its Living Traditions FA3 (3) The rich diversity among peoples and cultures of India through time and the significance of various traditions for contemporary life. Individual experiences of caste, class, gender, and sect are examined, as are outside influences on social patterns and modes of thought, revealing complex interplay between tradition and modernity, India and the West. Usually offered every spring.

ANTH-235 Early America: The Buried Past FA2 (3) An introduction to how archaeology reconstructs this country's historic past. The course looks at the way archaeologists use both artifacts and written records to tell the story of life in the seventeenth through the nineteenth centuries. Emphasis on artifact and document interpretation, architecture, consumerism, African diaspora, and early non-Anglo settlers. Usually offered every spring.

ANTH-250 Human Origins FA5 (3) The contributions that physical anthropology and archaeology can make toward an understanding of the origins and development of humankind. Includes genetics, the principles of evolution as applied to humans, the nonhuman primates and their behavior, human fossils, and the archaeology of the New and Old Worlds. Usually offered every fall.

ANTH-251 Anthropological Theory (3) Exploration of a variety of current perspectives in cultural anthropology. The kinds of questions anthropologists ask in seeking to understand cultural variation and diverse human experience. The relevance of anthropology to life in a changing, multicultural world.

ANTH-253 Introduction to Archaeology (3) Archaeology as a subfield of anthropology. Includes the history of archaeology, methods of archaeological excavation and analysis, the historical archaeology of seventeenth and eighteenth century America, paleolithic archaeology in the Old World, the prehistory of North and South America, and other current discoveries and issues within the field. Usually offered every spring.

ANTH-254 Language and Culture (3) Examines connections between language, culture, and society. Includes grammars as systems of knowledge; language and cognition; structure of everyday discourse; language diversity; speech communities; language change; and literacy and language planning. Usually offered every spring.

ANTH-330 Magic, Witchcraft, and Religion (3) A comparative study of magic, witchcraft, and religion in Western and non-Western societies. Includes an analysis of ritual behavior and the ritual process, mythology, sorcery, and revitalization movements. *Prerequisite:* ANTH-251 or permission of instructor.

ANTH-331 Taboos (3) Exploration of those persons, items, experiences, and acts which so frighten and repel humans that they try to prohibit them. Includes discussion of subjects rich in taboo and sensitivity including sexuality, witchcraft, cannibalism, human-animal relations, madness, and death. Why taboos emerge, how they are enforced, and when they are violated. *Prerequisite:* ANTH-251 or permission of instructor.

ANTH-334 Environmental Justice (3) Focuses on issues of inequalities attending the destruction of resources, the siting of dangerous facilities, dumping of toxic wastes, and the development of technologies that harm some people while benefitting others. Case studies from North America, Latin America, Africa, the Arctic, Pacific, and Caribbean examine questions about history, social relations, power, connections among the world's societies, and competing values.

ANTH-337 Anthropology of Genocide (3) Examines questions concerning how individuals, groups, and social institutions legitimize the power to repress, coerce, and kill, how victims experience and interpret their suffering, how "ordinary people" come to accept and justify violent regimes, and the possibility of constructing an understanding of genocide that extends across cultures and from individual impulse to global conflict. Case studies include genocide in the Americas, the Nazi Holocaust, and ethnic cleansing in Central Africa and Eastern Europe.

ANTH-350 Special Topics (3) Topics vary by section, may be repeated for credit with different topic. Cross-cultural comparison and analysis within selected culture areas. Rotating topics include human osteology, language and sexuality, student activism and social justice, and archaeology of the Chesapeake Bay region.

ANTH-390 Independent Reading Course in Anthropology (1-6) *Prerequisite:* permission of instructor and department chair.

ANTH-439 Culture, History, Power, Place (3) Topics vary by section, may be repeated for credit with different topic. Examination of a particular culture area to provide insight into the conditions that produced distinctive cultures in certain geographical regions. Rotating culture areas include North American Indians, Latin America, Mexico and Central America, African American women, India, Africa, China, and Japan. Meets with ANTH-639. Usually offered every term.

ANTH-440 Contemporary Ethnographies (3) Surveys theory through the original writings of anthropologists. Contemporary perspectives and debates in anthropology examined through close, critical readings of cutting-edge studies. These readings reflect current approaches in the field such as culture and political economy, postmodern multi-vocal texts, feminist ethnographies, and post-colonial writing. How ethnographies are crafted, including how authors contextualize their subject and their own involvement, uses of evidence, and literary devices. *Prerequisite:* ANTH-251 or permission of instructor.

ANTH-450 Anthropology of Power (3) Capstone seminar for anthropology majors which explores a central question for the discipline, the exploration of power. Examines the questions of how people experience and articulate power relations, how power is legitimized, where power comes from, how power relations shift over time and place, and how the study of power enriches and infuses anthropological studies. Usually offered every spring. *Prerequisite:* anthropology major with at least 36 credit hours of courses in the major.

ANTH-452 Anthropological Research Methods (3) An introduction to research methods used within the field of anthropology, including ethnography, the distinctive tool of the field. Includes research design, data collection, quantitative and qualitative analysis. Ethics and pragmatics of research are discussed, including research funding and proposal writing. *Prerequisite:* ANTH-251 and one other course in anthropology.

ANTH-490 Independent Study Project in Anthropology (1-6) *Prerequisite:* permission of instructor and department chair.

ANTH-491 Internship in Anthropology (1-6) *Prerequisite:* permission of instructor and department chair.

ANTH-498 Senior Thesis in Anthropology (1-6) May be repeated for credit but not within the same term, for a maximum of 6 credit hours. Opportunity for qualified undergraduates to carry out anthropological research under supervision of members of the faculty. Development of a written paper and participation in senior thesis seminar are required. Usually offered every term. *Prerequisite:* permission of department chair.

Graduate and Advanced Undergraduate Courses

ANTH-060 Summer Field School: Archaeology (0) Noncredit participation in the excavation of an archaeological site. Training varies depending on the site, but usually includes site surveying, archaeological engineering, techniques of excavation, flora, fauna, and soil analysis, field laboratory practice, and on-site computer data processing. Usually offered every summer.

ANTH-531 Topics in Archaeology (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include historical archaeology, artifact analysis, archaeology of the Chesapeake, archaeology of the Potomac Valley, Aztec, Inca, and Maya, and archaeology and politics.

ANTH-533 Managing Cultural Resources (3) Explores the field of cultural resources management and preservation. This course examines the range of resources—from archeological sites to historic structures to living communities—that are often given protected status and the reasons for such protection. Also considers the benefits to society of this protection, along with the available policies, processes, and laws that are utilized in the preservation effort. *Prerequisite:* ANTH-253 or ANTH-531, or permission of instructor.

ANTH-534 Class and Culture (3) Discussion of the way that anthropologists have used and developed the concept of class as a way to understand patterns of social inequality. The variation in relationships of class to economic, social, and political structures in different societies and how class experiences and struggles influence and are influenced by the cultural norms and values in different social systems. *Prerequisite:* two courses in anthropology or graduate standing.

ANTH-535 Ethnicity and Nationalism (3) Ethnicity has become a universal means for groups to defend their interests, avoid alienation, and create powerful rituals of self-preservation and defense. This course examines ways that groups in complex societies and new nations use ethnicity and nationalism to express and enact community and identity, similarity and difference, peaceful social relations, warfare, and genocide. *Prerequisite:* two courses in anthropology or graduate standing.

ANTH-537 Topics in Language and Culture (3) Topics vary by section, may be repeated for credit with different topic. Comparative perspectives on the interrelationships of cultural and linguistic patterns in different societies. Case studies focus on language variation and pluralism, social hierarchies, gender diversity, language history, colonialism, and nation building.

ANTH-541 Public Anthropology and State Policy (3) This course traces shifting relationships among governments, anthropologists, and ordinary people. Readings and class discussions explore the rise of “applied” anthropology as part of the processes of colonialism and capital accumulation. Also covered are colonial encounters, immigration and internment, neocolonialism, and structural adjustment. *Prerequisite:* two courses in anthropology or graduate standing.

ANTH-542 Reinventing Applied Anthropology (3) Explores efforts to build a public anthropology which advances popular struggles for economic freedom, human rights, and social justice while maintaining a critique of state power. The course also examines how such work engages conventional approaches to research, publication, and career advancement, and suggests pathways to alternative anthropological careers. *Prerequisite:* two courses in anthropology or graduate standing.

ANTH-543 Anthropology of Development (3) Anthropological approaches to the analysis of economic development and change, with attention to both theory and practice. Development problems as perceived at the local level, contemporary development concerns, and the organization of development agencies and projects. Usually offered every fall. *Prerequisite:* two courses in anthropology or international service, or graduate standing.

ANTH-544 Topics in Public Anthropology (3) Topics vary by section, may be repeated for credit with different topic. The application of anthropological method and theory to solving problems in contemporary society. Rotating topics include anthropology of education, health, culture and illness, public archaeology, media activism, and anthropology of human rights.

ANTH-550 Ethnographic Field Methods (3) Using a series of research exercises, students learn how to collect genealogies, gather censuses of research populations, conduct directed and nondirected interviews, map research areas, work with photographic data, collect life histories, observe as participants, write research proposals, and evaluate data. Ethical and methodological fieldwork problems are stressed throughout. *Prerequisite:* two courses in anthropology or graduate standing.

ANTH-560 Summer Field School: Archaeology (1-9) Topics vary by section, may be repeated for credit with the same topic. Active participation in the excavation of an archaeological site. Training varies depending on the site, but usually includes site surveying, archaeological engineering, techniques of excavation, flora, fauna, and soil analysis, field laboratory practice, and on-site computer data processing. Usually offered every summer.

ANTH-590 Independent Reading Course in Anthropology (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

ANTH-631 Foundations of Social and Cultural Anthropology

(3) This seminar reviews a selection of major works at the foundation of contemporary socio-cultural anthropology. The focus is on classic works that illustrate the theoretical perspectives, analyses, and trends in the field. The central concern is how anthropologists and other social scientists have defined the field, the kinds of questions they have asked, and the methods they have used, in the broadest sense, to answer those questions. Usually offered every fall.

ANTH-632 Contemporary Theory: Culture, Power, History

(3) This course addresses developments and debates in anthropology over the last three decades, looking at how central concerns in anthropology are recast over time, as well as how new concerns emerge with new theory. The course grounds the central concept of culture in analyses that emphasize its relationship to historical process as well as class, race, and gender, and the use and abuse of the culture concept in struggles for identity, dominance, and liberation. Usually offered every spring.

ANTH-634 Foundations of Archaeology

(3) Topics vary by section, may be repeated for credit with different topic. This course explores archaeological theories and frameworks that have emerged or seen strong developments since ca. 2000, such as labor, sexuality, queer, identity, pragmatist, and phenomenological theories. The centrality of theories in the broader practice of anthropological archaeology and how the broader political climate influences the emergence and decline of particular interests of archaeological theory is discussed. Usually offered every fall.

ANTH-635 Race, Gender and Social Justice

(3) Topics vary by section, may be repeated for credit with different topic. This seminar explores the disjunction between biological myths of race and gender and their social construction as credible institutions; the historical, economic, and political roots of inequalities; the institutions and ideologies that buttress and challenge power relations; and the implications of social science teaching and research for understanding social class, race, and gender discrimination. Issues of advocacy for social change are also explored. Usually offered every spring. *Prerequisite:* permission of instructor.

ANTH-637 Discourse, Text, and Voice

(3) Topics vary by section, may be repeated for credit with different topic. This seminar reviews current approaches to studies of narrative and conversation, and the insights into social location, ideology, and claims to power which such studies disclose. Usually offered every spring. *Prerequisite:* graduate standing in anthropology or permission of instructor.

ANTH-639 Culture, History, Power, Place

(3) Topics vary by section, may be repeated for credit with different topic. Examination of a particular culture area to provide insight into the conditions that produced distinctive cultures in certain geographical regions. Rotating culture areas include North American Indians, Latin America, Mexico and Central America, African American women, India, Africa, China, and Japan. Meets with ANTH-439. Usually offered every term.

ANTH-640 Current Issues in Anthropology **(3)** Topics vary by section, may be repeated for credit with different topic. Rotating topics include issues such as social inequality, urban nature, militarism and state violence, reading/resisting neoliberalism, and Southwest archaeology. Usually offered every term. *Prerequisite:* graduate standing in anthropology or permission of instructor.

ANTH-652 Anthropological Research Design

(3) An introduction to research methods used within the field of anthropology, including ethnography, the distinctive tool of the field. Includes research design, data collection, quantitative and qualitative analysis. Ethics and pragmatics of research are discussed, including research funding and proposal writing. Usually offered every spring. *Prerequisite:* graduate standing in anthropology or permission of instructor.

ANTH-690 Independent Study Project in Anthropology

(1-6) *Prerequisite:* permission of instructor and department chair.

ANTH-691 Internship in Anthropology

(1-6) *Prerequisite:* permission of instructor and department chair.

ANTH-797 Master's Thesis Seminar

(1-6) Usually offered every term. May be taken SP/UP only.

ANTH-799 Doctoral Dissertation Seminar

(1-24) Usually offered every term. May be taken Pass/Fail only.

ANTH-897 Dissertation Preparation Workshop

(1-9) This course facilitates preparation of the doctoral dissertation proposal and achievement of candidacy and includes strategies for preparation for comprehensive examinations, getting external funding, practical preparation for fieldwork, meeting challenges to doing research, analyzing data, and completing the dissertation in a timely fashion. May be taken pass/fail only. *Prerequisite:* admission to PhD program.

ANTH-898 Doctoral Continuing Enrollment

(1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

ANTH-899 Doctoral Dissertation

(1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Art: Art History

Undergraduate Courses

ARTH-105 Art: The Historical Experience **FA1** **(3)** Introduction to Western art and architecture from ancient times to the twentieth century, with some discussion of non-Western cultures. Case studies of major works and artists such as the Great Pyramids, the Parthenon, Chartres Cathedral, Michelangelo, Rembrandt, and Picasso provide a foundation for understanding art in its aesthetic, historical, social, and political contexts. Also covers materials, techniques, and practices of art-making, and introduces key stylistic innovations. Usually offered every term.

ARTH-201 Mediterranean Art (3) Offered as part of the AU Abroad Madrid and the Mediterranean program. An introduction to Mediterranean history and art, centered chronologically on art movements with emphasis on the differences between Spanish art and its Mediterranean counterparts. The course is an in-depth study of painting, sculpture, and architecture that includes stylistic as well as thematic manifestations, examining art in the Mediterranean from cave paintings to the twentieth century from a variety of cultures and geographic regions, and introducing students to stylistic periods, major works and artists, and the traditional methods of art history. Usually offered every fall.

ARTH-205 Art of the Renaissance FA2 (3) Architecture, sculpture, painting, and prints of renaissance Italy and Northern Europe. Considers the interplay of art with philosophy, theology, and social change, and examines the artistic legacy and rich creative achievements of a culture inspired by classical antiquity. Usually offered every spring.

ARTH-210 Modern Art: Nineteenth and Twentieth Centuries FA1 (3) Introduction to the art of the modern period, primarily in Europe. Presents major artists in aesthetic, cultural, historical, and political contexts and addresses issues of avant garde change, critical imagination, and gender difference in relation to expanding conceptions of creative self-expression. Usually offered every term.

ARTH-225 Buddhist Arts of Asia FA1 (3) An introductory survey of Asian art that emphasizes Buddhist painting, architecture, calligraphy, and sculpture of India, China, Korea, and Japan from ancient to contemporary. Explores religious meaning, spiritual aesthetics, and the reinvention of religious tradition.

ARTH-250 Art History of the World Regions (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics offered through various AU Abroad programs, including analysis of major artists, groups, and stylistic developments of a specific region and time period. Topics explore the historical, cultural, and social contexts of the artists and works discussed and may focus on several forms of visual art/culture, including architecture, sculpture, painting, prints, and installations, and include on-site visits to museums and galleries, as well as architectural and archeological locations.

ARTH-303 Medieval Art: Romanesque and Gothic (3) Surveys painting, sculpture, architecture, the book arts, and stained glass across Europe from the tenth to the fourteenth centuries. Examines relationships between the visual arts and the social, political, and religious fabric of specific historical moments. Demonstrates the material and stylistic complexities of art-making, as they relate to interpretation, within specific historical settings. Explores transnational interactions and influences. Usually offered alternate springs. *Prerequisite:* ARTH-105.

ARTH-307 International Baroque Art (3) Explores developments in seventeenth-century northern and southern European (Italy, France, England, Spain, and the Netherlands) art, including works by Bernini, Artemisia Gentileschi, Rubens, Rembrandt, Velazquez, and Poussin. Evaluates rise of Baroque art through intersecting cultural and social ideologies, including religion, politics, economics, race, gender, and art theory. Usually offered alternate falls. *Prerequisite:* ARTH-105 or ARTH-205.

ARTH-320 Introduction to the Arts of Japan (3) A survey of the arts in Japan from ancient to contemporary that covers a wide range of materials, including sculpture, calligraphy, ink, paintings, architecture, photography, and woodblock prints. Emphasizes historical and social contexts and the relations of power involved in the viewing and collection of Japanese art.

ARTH-335 Twentieth Century Women Artists of the Americas (3) This course focuses on women artists' contributions to twentieth century art in the United States, Canada, Mexico, the Caribbean, and Latin America. It examines women's struggles and successes, their iconographic and stylistic interests, and the analysis of their works in relation to theories of gender, feminism, postmodernism, and postcolonialism. Usually offered alternate springs. *Prerequisite:* ARTH-105 and ARTH-210 or permission of instructor.

ARTH-350 Regional Studies in Art History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics offered through various AU Abroad programs, including analysis of major artists, groups, and stylistic developments of a specific region and time period. Topics explore the historical, cultural, and social contexts of the artists and works discussed and may focus on several forms of visual art/culture, including architecture, sculpture, painting, prints, and installations, and include on-site visits to museums and galleries, as well as architectural and archeological locations.

ARTH-401 Italian Art: Early Renaissance (3) Developments in Florence, Siena, and Venice in the fourteenth and fifteenth centuries, including the classical revival, narrative, linear perspective, and the role of social and theoretical factors in the practice of art. Emphasis on major figures such as Giotto, Duccio, Masaccio, Piero della Francesca, Botticelli, and Giovanni Bellini. Meets with ARTH-601. Usually offered every third semester. *Prerequisite:* ARTH-105 and ARTH-205 or equivalent.

ARTH-402 Italian Art: High Renaissance (3) Development of high Renaissance and early Mannerist styles in Rome, Venice, and Florence in the first half of the sixteenth century. Major artists emphasized include Leonardo da Vinci, Michelangelo, Raphael, Giorgione, and Titian. Includes consideration of issues such as the elevation of artists' social status and the emergent concept of artistic genius. Meets with ARTH-602. Usually offered every third semester. *Prerequisite:* ARTH-105 and ARTH-205 or equivalent.

ARTH-403 Italian Art: Late Renaissance and Early Baroque (3) Examines Italian art from the mid-sixteenth through early seventeenth centuries, considering the flourishing of art theory, late Mannerist and early Baroque style, and the significant emergence of female artists. Artists include Bronzino, Vasari, late Titian and Michelangelo (sculpture and painting), Tintoretto, Veronese, Sofonisba Anguissola, the Carracci, Caravaggio, and Artemisia Gentileschi. Meets with ARTH-603. Usually offered every third semester. *Prerequisite:* ARTH-105 and ARTH-205 or equivalent.

ARTH-411 Modern European Art: Rococo to Realism (3) A survey of European art from 1900 to 1945, focusing on stylistic and conceptual innovations within their social and political contexts, including changing definitions of modernity and modernism; primitivism and colonialism; the rise abstraction; and "high" art's relation to mass culture. Artists include Wassily Kandinsky, Henri Matisse, Pablo Picasso, Hannah Hoch, and Marcel Duchamp. Meets with ARTH-611. Usually offered alternate years. *Prerequisite:* ARTH-105 and ARTH-210 or equivalent.

ARTH-412 Modern European Art: Impressionism and Post-Impressionism (3) Focus on major Impressionist and Post-Impressionist artists including Manet, Monet, Degas, Cassatt, Morisot, Seurat and the Neo-Impressionists, Cezanne, Gauguin and the Symbolists, and Van Gogh. Also studied are Toulouse-Lautrec, Bonnard, and Vuillard. Meets with ARTH-612. Usually offered alternate years. *Prerequisite:* ARTH-105 and ARTH-210 or equivalent.

ARTH-413 Modern European Art: Expressionism to Surrealism (3) Analyzes the development of Fauvism and Cubism in the art of Picasso and Braque, Sonia and Robert Delaunay, and the Italian Futurists. Also studied are Munch and the German Expressionists, the non-objective styles of Kandinsky and Mondrian, and the Dada and Surrealist movements. Meets with ARTH-613. Usually offered alternate years. *Prerequisite:* ARTH-105 and ARTH-210 or equivalent.

ARTH-414 Women and the Avant-Garde (3) The late nineteenth and early twentieth centuries witnessed increasing professional opportunities for women artists, yet the status of women in Impressionism, Expressionism, Constructivism, and Surrealism remained ambivalent. This course explores the complex experiences of such avant-garde artists as Berthe Morisot, Julia Margaret Cameron, Camille Claudel, Sonia Delauney, and Frida Kahlo. Meets with ARTH-614. Usually offered alternate springs. *Prerequisite:* ARTH-105 and ARTH-210 or equivalent.

ARTH-415 Museums and Society (3) Explores the intersection of the museum and its public from the late eighteenth century to the present. Topics include the formation of collections and organization of exhibitions; changing modes of display; architecture and wall text; the economics of the art world; politics and cultural property; and race, gender, and national identity. Meets with ARTH-615. Usually offered alternate springs. *Prerequisite:* ARTH-105 and ARTH-210 or equivalent.

ARTH-423 East-West Photography (3) Examines the emergence of photography and the medium's pivotal role in shaping relations between Asia and the West. Examines early portraiture, architectural sites, colonial tourism, photojournalism, family photographs, and contemporary photography. Meets with ARTH-623. Usually offered alternate years. *Prerequisite:* ARTH-225 or ARTH-320.

ARTH-424 Envisioning the Nation: Modern and Contemporary Art in Asia (3) Explores nationhood, nationalism, and the body politic as represented in Asian art and visual culture. Focuses on modern and contemporary art in China, Japan, India, and other parts of Asia, including film, prints, painting, photography, architecture, performance art, and propaganda. Meets with ARTH-624. Usually offered alternate falls. *Prerequisite:* ARTH-225 or ARTH-320.

ARTH-431 Visual Arts in the United States to 1890 (3) Covers portraiture, landscape, and genre painting from the early Colonial period to the late nineteenth century. Examines major artists and movements including Colonial portraiture (Copley, Peale), Hudson River School and Luminist landscape (Cole, Church), sculpture, photography, and late nineteenth century artists including Eakins, Homer, and Cassatt. Emphasizes cultural politics of colonialism, slavery, Native Americans, gender issues, and relationships between American and European art. Meets with ARTH-631. Usually offered alternate falls. *Prerequisite:* ARTH-105 and ARTH-210 or permission of instructor.

ARTH-432 Visual Arts in the United States: 1890 to 1935 (3) Covers art from the Gilded Age through mid-1930s. Examines major artists and movements, including American Impressionism, Ashcan School, American modernist abstraction, Harlem Renaissance, Mexican muralists, Regionalism, WPA art and photography. Focuses on relation to European modernisms and U.S. cultural politics, including gender and racial issues and the rise of major museums, dealers, and collectors. Meets with ARTH-632. Usually offered alternate springs. *Prerequisite:* ARTH-105 and ARTH-210 or permission of instructor.

ARTH-433 Visual Arts in the United States: 1935 to 1970 (3) Covers dramatic changes in realism and modernism in the mid-twentieth century including WPA art and leftist politics, the Great Depression and federal support, geometric modernisms, Abstract Expressionism, New Realism, Pop Art, and photography. Emphasizes major artists and cultural politics including the New Deal, Cold War, gender and racial difference, and contributions of art critic and dealers. Meets with ARTH-633. Usually offered alternate falls. *Prerequisite:* ARTH-105 and ARTH-210 or permission of instructor.

ARTH-434 Contemporary Visual Art and Postmodernism (3) Covers contemporary art since 1970 created in the United States by American and international artists. It examines movements including Minimalism, Earth Art, Photorealism, Neo-Expressionism, feminism, new abstraction, identity politics, installation and performance art. Emphasizes critical understanding of postmodernist theory related to multiculturalism, racial/ gender difference, queer theory, censorship, ecology, and social/political critique. Meets with ARTH-634. Usually offered alternate springs. *Prerequisite:* ARTH-105 and ARTH-210 or permission of instructor.

ARTH-490 Independent Study Project in Art History (1-3)
Prerequisite: permission of instructor and department chair.

ARTH-491 Internship (3) *Prerequisite:* four art history courses and permission of art history internship coordinator.

Graduate and Advanced Undergraduate Courses

ARTH-500 Approaches to Art History (3) Reading, discussion, and written work based on subjects such as style, iconography, semiotics, the art museum, and social, psychological, and feminist approaches. Attention to critical interpretation and writing research papers. Usually offered once each year. *Prerequisite:* four art history courses or graduate standing.

ARTH-520 Seminar in Art History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in art historical fields include medieval art, Renaissance/Baroque art, Nineteenth to Twentieth Century European art, American contemporary art, and Asian art. Critical discussion of readings followed by reports and research papers. Usually offered every spring. *Prerequisite:* five art history courses or permission of instructor.

ARTH-590 Independent Reading Course in Art History (1-3)
Prerequisite: permission of instructor and department chair.

Graduate Courses

Note: 600-level courses generally meet with 400-level courses. Registration at the 600 level implies graduate-level assignments and higher expectations regarding performance.

ARTH-601 Italian Art: Early Renaissance (3) Developments in Florence, Siena, and Venice in the fourteenth and fifteenth centuries, including the classical revival, narrative, linear perspective, and the role of social and theoretical factors in the practice of art. Emphasis on major figures such as Giotto, Duccio, Masaccio, Piero della Francesca, Botticelli, and Giovanni Bellini. Meets with ARTH-401. Usually offered every third semester.

ARTH-602 Italian Art: High Renaissance (3) Development of high Renaissance and early Mannerist styles in Rome, Venice, and Florence in the first half of the sixteenth century. Major artists emphasized include Leonardo da Vinci, Michelangelo, Raphael, Giorgione, and Titian. Includes consideration of issues such as the elevation of artists' social status and the emergent concept of artistic genius. Meets with ARTH-402. Usually offered every third semester.

ARTH-603 Italian Art: Late Renaissance and Early Baroque (3) Examines Italian art from the mid-sixteenth through early seventeenth centuries, considering the flourishing of art theory, late Mannerist and early Baroque style, and the significant emergence of female artists. Artists include Bronzino, Vasari, late Titian and Michelangelo (sculpture and painting), Tintoretto, Veronese, Sofonisba Anguissola, the Carracci, Caravaggio, and Artemisia Gentileschi. Meets with ARTH-403. Usually offered every third semester.

ARTH-611 Modern European Art: Rococo to Realism (3) A survey of European art from 1900 to 1945, focusing on stylistic and conceptual innovations within their social and political contexts, including changing definitions of modernity and modernism; primitivism and colonialism; the rise abstraction; and "high" art's relation to mass culture. Artists include Wassily Kandinsky, Henri Matisse, Pablo Picasso, Hannah Hoch, and Marcel Duchamp. Meets with ARTH-411. Usually offered alternate years.

ARTH-612 Modern European Art: Impressionism and Post-Impressionism (3) Focus on major Impressionist and Post-Impressionist artists including Manet, Monet, Degas, Cassatt, Morisot, Seurat and the Neo-Impressionists, Cezanne, Gauguin and the Symbolists, and Van Gogh. Also studied are Toulouse-Lautrec, Bonnard, and Vuillard. Meets with ARTH-412. Usually offered alternate years.

ARTH-613 Modern European Art: Expressionism to Surrealism (3) Analyzes the development of Fauvism and Cubism in the art of Picasso and Braque, Sonia and Robert Delaunay, and the Italian Futurists. Also studied are Munch and the German Expressionists, the non-objective styles of Kandinsky and Mondrian, and the Dada and Surrealist movements. Meets with ARTH-413. Usually offered alternate years.

ARTH-614 Women and the Avant-Garde (3) The late nineteenth and early twentieth centuries witnessed increasing professional opportunities for women artists, yet the status of women in Impressionism, Expressionism, Constructivism, and Surrealism remained ambivalent. This course explores the complex experiences of such avant-garde artists as Berthe Morisot, Julia Margaret Cameron, Camille Claudel, Sonia Delauney, and Frida Kahlo. Meets with ARTH-414. Usually offered alternate springs.

ARTH-615 Museums and Society (3) Explores the intersection of the museum and its public from the late eighteenth century to the present. Topics include the formation of collections and organization of exhibitions; changing modes of display; architecture and wall text; the economics of the art world; politics and cultural property; and race, gender, and national identity. Meets with ARTH-415. Usually offered alternate springs.

ARTH-623 East-West Photography (3) Examines the emergence of photography and the medium's pivotal role in shaping relations between Asia and the West. Examines early portraiture, architectural sites, colonial tourism, photojournalism, family photographs, and contemporary photography. Meets with ARTH-423. Usually offered alternate years.

ARTH-624 Envisioning the Nation: Modern and Contemporary Art in Asia (3) Explores nationhood, nationalism, and the body politic as represented in Asian art and visual culture. Focuses on modern and contemporary art in China, Japan, India, and other parts of Asia, including film, prints, painting, photography, architecture, performance art, and propaganda. Meets with ARTH-424. Usually offered alternate falls.

ARTH-631 Visual Arts in the United States to 1890 (3) Covers portraiture, landscape, and genre painting from the early Colonial period to the late nineteenth century. Examines major artists and movements including Colonial portraiture (Copley, Peale), Hudson River School and Luminist landscape (Cole, Church), sculpture, photography, and late nineteenth century artists including Eakins, Homer, and Cassatt. Emphasizes cultural politics of colonialism, slavery, Native Americans, gender issues, and relationships between American and European art. Meets with ARTH-431. Usually offered alternate falls.

ARTH-632 Visual Arts in the United States: 1890 to 1935 (3) Covers art from the Gilded Age through mid-1930s. Examines major artists and movements, including American Impressionism, Ashcan School, American modernist abstraction, Harlem Renaissance, Mexican muralists, Regionalism, WPA art and photography. Focuses on relation to European modernisms and U.S. cultural politics, including gender and racial issues and the rise of major museums, dealers, and collectors. Meets with ARTH-432. Usually offered alternate springs.

ARTH-633 Visual Arts in the United States: 1935 to 1970 (3) Covers dramatic changes in realism and modernism in the mid-twentieth century including WPA art and leftist politics, the Great Depression and federal support, geometric modernisms, Abstract Expressionism, New Realism, Pop Art, and photography. Emphasizes major artists and cultural politics including the New Deal, Cold War, gender and racial difference, and contributions of art critic and dealers. Meets with ARTH-433. Usually offered alternate falls.

ARTH-634 Contemporary Visual Art and Postmodernism (3) Covers contemporary art since 1970 created in the United States by American and international artists. It examines movements including Minimalism, Earth Art, Photorealism, Neo-Expressionism, feminism, new abstraction, identity politics, installation and performance art. Emphasizes critical understanding of postmodernist theory related to multiculturalism, racial/ gender difference, queer theory, censorship, ecology, and social/political critique. Meets with ARTH-434. Usually offered alternate springs.

ARTH-690 Independent Study Project in Art History (1-3)
Prerequisite: permission of instructor and department chair.

ARTH-691 Internship (3) *Prerequisite:* permission of instructor and department chair.

ARTH-792 Thesis Research Seminar (3) Research seminar to develop thesis proposal to be approved by thesis committee, do literature review for proposed topic, and begin thesis development. Students develop abilities to do serious research and share project critiques. *Prerequisite:* MA in Art History candidate.

ARTH-797 Master's Thesis Research (3) Thesis research course for students completing research and writing of the thesis requirement for the MA in Art History. May be taken SP/UP only. *Prerequisite:* ARTH-792.

Art: Studio

Undergraduate Courses

ARTS-100 Art: The Studio Experience FA1 (3) This beginning studio course introduces students to painting, drawing, sculpture, and design combined with visual literacy. The course focuses on the interrelationship of hand, eye, and mind to create informed works of art that engage larger critical, formal, or cultural dialogues and relate basic visual language to analytic and creative processes of the artist. Usually offered every term.

ARTS-205 The Artist's Perspective: Drawing FA1 (3) This introductory drawing course examines observation as a tool of discovery. Students explore traditional and conceptual notions of looking and experiment with different materials, techniques, and practices in order to examine visual perception. The course investigates drawing as a two-dimensional and three-dimensional medium. Usually offered every term.

ARTS-210 The Artist's Perspective: Painting FA1 (3) This introductory painting course utilizes surface, color, and composition as well as technical procedures to introduce students to formal, conceptual, and social issues inherent in painting. These concepts may be explored through the use of models, still life, and landscape. Students learn the language of painting and its context in contemporary art. Usually offered every term.

ARTS-215 The Artist's Perspective: Sculpture FA1 (3) This introductory sculpture course investigates three-dimensional concerns, focusing on observation, process, form, and object as a means of arriving at content. Students are introduced to traditional and contemporary art practices and explore a variety of materials, techniques, and tools. Usually offered every term.

ARTS-235 The Artist's Perspective: Video Art FA1 (3) An introduction to contemporary video art and its representations of time, this course emphasizes experimental approaches over conventional narrative. Projects involve shooting and editing individual video assignments for class critiques, and developing personal moving image art projects. Examples of artists' film and video are screened and discussed in the context of readings and written assignments. Usually offered every term.

ARTS-344 Ceramics Studio (3) May be repeated for credit. Includes basic principles of working with clay and instruction in both wheel and other methods of making pottery. Usually offered every term.

ARTS-390 Independent Reading Course in Art (1-6) *Prerequisite:* permission of instructor and department chair.

ARTS-400 Senior Seminar (3) May be repeated for credit. This studio and criticism course considers the inspirations and practices of contemporary artists and also emphasizes the relationship between art making, culture, and audience. Gallery/museum trips and artist lectures help students contextualize their work in current art practices. Readings, group discussions, and critiques facilitate deeper understanding of the social and conceptual issues surrounding contemporary art. Students pursue an individualized body of studio work that culminates in an exhibition. Usually offered every spring. *Prerequisite:* permission of instructor.

ARTS-410 Multimedia Seminar (3) May be repeated for credit. This studio and criticism course considers the inspirations and practices of contemporary media artists and also emphasizes the relationship between art making, culture, and audience. Gallery/museum trips and artist lectures help students contextualize their work in current art practices. Readings, group discussions, and critiques facilitate deeper understanding of the social and conceptual issues surrounding contemporary art. Students pursue an individualized body of studio work that culminates in an exhibition. Usually offered every spring. *Prerequisite:* ARTS-370 or permission of instructor.

ARTS-420 Painting Studio (3) May be repeated for credit. This is an intermediate and advanced course that encourages experimental approaches to painting through historical and contemporary study. Students creatively explore issues of color, surface, and composition, and are encouraged to begin exploration of individualized concerns that can be addressed through image making. Thematic studies provide opportunity for intensive investigation of ideas. Usually offered every term. *Prerequisite:* ARTS-210 or equivalent.

ARTS-440 Sculpture Studio (3) May be repeated for credit. This is an intermediate and advanced course that focuses on the interrelationship between object and environment. Students investigate materials and concepts used in historical, contemporary, and experimental art practices. Course structure focuses on creative problems and solutions. Students explore form, content, and context through individual projects. Usually offered every term. *Prerequisite:* ARTS-215.

ARTS-460 Drawing Studio (3) May be repeated for credit. This is an intermediate and advanced course in drawing. Students explore selected drawing media, locate a direction of study, and develop a personal visual vocabulary in artwork. Drawing is investigated as an initiating and developing tool for creative thinking. Emphasis is on the process, production, and research needed to produce consistent and creative work. Usually offered every term. *Prerequisite:* ARTS-205 or equivalent.

ARTS-463 Relief Printmaking Studio (3) May be repeated for credit. Investigation of the historical techniques utilized in woodcut linocut and surface printing. Students pursue individualized projects while mastering technique. Emphasis on the experimentation, the development of the technique, and the utilization of printmaking as a tool for challenging studio practice and expanding broader critical concerns. Usually offered every fall. *Prerequisite:* ARTS-205 or equivalent.

ARTS-464 Intaglio Studio (3) May be repeated for credit. An introduction to basic printmaking processes including monoprint, etching, drypoint, and aquatint. Students investigate the history and process of the intaglio print in relation to individualized projects. Emphasis on the experimentation, the development of the technique, and the utilization of printmaking as a tool for challenging studio practice and expanding broader critical concerns. Usually offered every spring. *Prerequisite:* ARTS-205 or equivalent.

ARTS-470 Time-Based Studio (3) May be repeated for credit. This class develops individual moving image art projects through group critiques, class discussion of texts and screenings, and studio lab time. Students become familiar with a variety of time-based contemporary art and their discourses, including video and performance, experimental and avant-garde film, media installation, and social practice. Usually offered every term. *Prerequisite:* ARTS-235 or equivalent.

ARTS-490 Independent Study Project in Art (1-6) *Prerequisite:* permission of instructor and department chair.

ARTS-491 Internship (3) *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

ARTS-560 Drawing Practicum I (3) May be repeated for credit. Drawing as research. This course explores the process of the sketch in developing, proposing, and planning visual works in various media. Students work on synthesizing ideas and representing them formally and conceptually, with emphasis on individual creative expression. Usually offered every fall. *Prerequisite:* admission to M.F.A. program, or permission of instructor.

ARTS-561 Drawing Practicum II (3) May be repeated for credit. Continuation of ARTS-560. Students put research into practice. The emphasis of this practicum, which can operate as an extension of students' studio practice, is on creating a series of related work. Usually offered every spring. *Prerequisite:* admission to M.F.A. program, or permission of instructor.

ARTS-590 Independent Reading Course in Art (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

ARTS-600 Twentieth Century Art Theory (3) A contextual analysis of contemporary issues in art as a development of critical thinking throughout the twentieth century. This course presents a theoretical and philosophical consideration of the development of critical, cultural, and social dialogs defining art and practice from the advent of Modernism through its institutionalization and the eventual rise of post-Modernism. Includes figuration, abstraction, formalism, spirituality universalism, the art object, the art original, myth, authorship, allegory, conceptualism, the capitalist impulse, colonialism, authenticity, and the role of audience. Usually offered every fall. *Prerequisite:* admission to MFA program, or permission of instructor.

ARTS-601 Contemporary Art Theory (3) A theoretical and philosophical consideration of art practices. A detailed analysis of contemporary and cultural studies including post-colonialism, gender, globalization, positioning painting, the state of art and emerging trends in contemporary art. Students evaluate the relationship between artists and the writer/critic. The course introduces students to a broad range of critical thinking and to develop their skills in verbal and textual analysis. Students consider the relationship of their art to contemporary rhetoric. Usually offered every spring. *Prerequisite:* admission to MFA program, or permission of instructor.

ARTS-610 Multimedia Seminar (3) May be repeated for credit. This studio and criticism course considers the inspirations and practices of contemporary media artists and also emphasizes the relationship between art making, culture, and audience. Students pursue an individualized body of studio work that culminates in an exhibition. Usually offered every spring.

ARTS-620 Advanced Printmaking (3) May be repeated for credit. Individual projects in printmaking with emphasis on the investigation of contemporary art issues. Students develop a suite of prints or other related investigation in either tandem with their advanced studio work or based on a theme of their choosing in consultation with the instructor. Usually offered every term. *Prerequisite:* admission to MFA program or permission of instructor.

ARTS-630 Advanced Sculpture (3) May be repeated for credit. Individual projects in sculpture. Students explore formal and critical issues concerning two- or three-dimensional work. Students are encouraged to manifest ideas three-dimensionally with respect to the environment or installation of their work. Usually offered every term. *Prerequisite:* admission to MFA program or permission of instructor.

ARTS-660 Research Practicum (3) May be repeated for credit. Studio practice as research and its context. Students explore the process of developing, proposing, and planning visual works in various media. The emphasis of this practicum, which can operate as an extension of students' studio practice, is on creating a series of related work. Usually offered every spring. *Prerequisite:* admission to MFA program or permission of instructor.

ARTS-661 Professional Practices (3) This course introduces and examines a wide range of strategies for developing a professional practice as a working visual artist. Topics covered include documenting and archiving artwork, preparing submission materials, writing artist statements, grant writing and research, understanding the culture and structure of non-profit and commercial exhibition venues, exploring collaborative exhibition opportunities and strategies, social networking in the field, and online presentation of artwork. Course work includes conception and preparation of curatorial proposals, collective conception and design of the MFA thesis exhibition catalog. Course sessions held off-campus give students the opportunity to meet a diverse group of professionals in the field, including artists, writers, curators, and administrators.

ARTS-670 Time-Based Studio (3) May be repeated for credit. This class develops individual moving image art projects through group critiques, class discussion of texts and screenings, and studio lab time. Students become familiar with a variety of time-based contemporary art and their discourses, including video and performance, experimental and avant-garde film, media installation, and social practice. Usually offered every term. *Prerequisite:* admission to MFA program or permission of instructor.

ARTS-690 Independent Study Project in Art (1-6) *Prerequisite:* permission of instructor and department chair.

ARTS-691 Internship (3) *Prerequisite:* permission of instructor and department chair.

ARTS-797 Master's Thesis Seminar (3) Independent work toward students' thesis exhibition and written thesis statements. Consult the department for registration and participation requirements. Usually offered every term. May be taken SP/UP only. *Prerequisite:* MFA candidate with permission of department chair.

Audio Technology

Undergraduate Courses

ATEC-101 Fundamentals of Audio Technology (3) Students learn about the generation, transmission, and detection of sound; properties of sounds; history and aesthetics of electro-acoustic music and components; anatomy of audio equipment; professions in the field of audio technology; and the global structure of audio-related industries. Student apply basic recording and editing techniques in the completion of audio and audiovisual projects. Usually offered every term. *Co-requisite:* ATEC-102.

ATEC-102 Audio Technology Laboratory (1) Students apply recording and editing techniques discussed in ATEC-101 to real world music. They also learn basic compression and digital signal processing techniques. Usually offered every term. *Co-requisite:* ATEC-101.

ATEC-301 Digital Audio Workstations I (3) This course provides intermediate-level students with fundamental knowledge of the basic principles of non-linear digital audio editing software. Includes creating and managing digital audio workstation sessions, importing media, basic editing and mixing techniques, external controllers, managing sessions and tracks, recording and editing MIDI and audio, timescaling, and automation. Usually offered every term. *Prerequisite:* ATEC-101 and ATEC-102.

ATEC-311 Sound Studio Techniques I (3) This course explores multi-track recording techniques as applied to professional sound systems. Includes studio consoles, signal path, microphone configuration and placement, signal to noise ratio, and other relevant topics. Students gain experience with hands-on projects. Usually offered every fall. *Prerequisite:* ATEC-301.

ATEC-321 Sound Synthesis I (3) This course introduces audio synthesis using the Pure Data (Pd) programming environment with a focus on understanding fundamental concepts of digital audio manipulation. Covers several standard techniques, including additive and wavetable synthesis, sample playback, time-stretching, pitch shifting, various forms of modulation, and use of delay networks. In addition to raw audio processing algorithms, students develop strategies for managing control information and sequencing. Usually offered every term. *Prerequisite:* ATEC-101.

ATEC-390 Independent Reading Course in Audio Technology (1-6) *Prerequisite:* permission of instructor and department chair.

ATEC-401 Digital Audio Workstations II (3) This course is a continuation of materials presented in ATEC-301 and provides students with more advanced knowledge of principles of non-linear digital audio editing software. Includes analyses of digital audio workstation systems, high-end user systems and interfaces, editing and mixing techniques, external controllers, managing sessions and tracks, recording and editing MIDI and audio, and advanced automation techniques. Usually offered every term. *Prerequisite:* ATEC-301.

ATEC-403 Production Mixing and Mastering (3) This course explores effective mastering techniques and digital signal processing techniques with non-linear digital audio software. Includes advanced equalization techniques, advanced filtering techniques, delay, compression and expansion of dynamic levels, chorusing, and reverberation. Usually offered every third semester. *Prerequisite:* ATEC-401.

ATEC-411 Sound-Studio Techniques II (3) This course examines advanced multi-track recording techniques as applied to professional sound systems. Includes studio consoles, magnetic tape recording, signal-processing equipment, room acoustics, noise reduction systems, multi-track recorder alignment, and test equipment. Usually offered every spring. *Prerequisite:* ATEC-311.

ATEC-421 Sound Synthesis II (3) This course continues exploration of synthesis techniques in Pure Data (Pd) as introduced in ATEC-321 and introduces software libraries from the Pd-extended package. Topics include delay networks, reverberation, spatialization, filtering, Fourier-based spectral analysis/resynthesis, and waveform design. Students also are introduced to an additional programming environment for audio synthesis, SuperCollider (SC). Usually offered every term. *Prerequisite:* ATEC-321.

ATEC-431 Studio Management (3) Students learn troubleshooting in regard to audio technology equipment and software. Includes tape machine alignment, maintenance and proper use, tracing signal flow problems, soldering techniques, and power grounding issues. Students in the class work and learn cooperatively, and collaborate on multiple projects relating to the tasks of managing a studio, including sound wall construction, studio proposals, and other creative projects. Usually offered every third semester. *Prerequisite:* ATEC-101/102.

ATEC-441 Business of the Audio Industry (3) This course covers business-related aspects of the music and film audio recording industries, including copyright, royalties, publishing, licensing, negotiations, music production, and studio ownership. Usually offered every third semester. *Prerequisite:* ATEC-101/102.

ATEC-450 Audio Technology Capstone (1-6) May be repeated for credit. This course enables students to pursue advanced discipline-specific projects, which may include electro-acoustic instrument design and construction, advanced live sound reinforcement techniques, post-production audio for film and video, audio engineering for compact disc recordings, and electro-acoustic music composition. Usually offered every spring. *Prerequisite:* ATEC-421.

ATEC-490 Independent Study Project in Audio Technology (1-6) *Prerequisite:* permission of instructor and department chair.

ATEC-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

ATEC-514 Audio Mastering (3) This course presents an advanced hands-on approach to the principles and practices of mastering. Students master the use of equipment specially designed for audio mastering and develop mastering techniques, as well as learn best practices for mastering. Students also explore surround sound mastering techniques. Usually offered every summer. *Prerequisite:* ATEC-403 or ATEC-611, and permission of instructor.

ATEC-522 Real-time Performance Workshop (3) This performance workshop directs students in developing new approaches to live computer-based music. The primary focus is on creating real-time interactive systems for generative music, sound installations, and digital musical instruments. The course surveys influential performance projects from the computer music literature and examines them from technical and aesthetic standpoints. Usually offered every spring. *Prerequisite:* ATEC-421 or ATEC-621, and permission of instructor.

ATEC-524 Digital Instrument Design (3) This course introduces students to the concepts, history, software, and hardware behind digital musical instruments (DMIs). In the process of creating several different DMIs, students learn how to map available control information to sound synthesis parameters in musically meaningful ways. Usually offered every fall. *Prerequisite:* ATEC-421 or ATEC-621, and permission of instructor.

Graduate Courses

ATEC-604 Digital Audio Production Seminar (3) This course teaches real-world techniques for digital music production through software synthesizers such as Reason, NI Komplete, Digidesign AIR synthesizers, and Korg Legacy bundle. The course also discusses hardware synthesizers, the MIDI protocol, and additional software plug-ins used for production, such as Antares Auto-tune and INA-GRM Tools. Usually offered every fall.

ATEC-611 Advanced Recording Seminar (3) Students explore advanced recording techniques employed in producing and recording a music project from inception to completion. Areas of exploration include, but are not limited to, preproduction arranging and planning of material, production and psychology in tracking, advanced and experimental microphone techniques, use of found acoustic space, re-amping of recorded material, use of samples, and software manipulation of audio. Students are given roles and exchange them, mirroring roles in a professional production studio, such as producer, first engineer, second engineer, and tape/ProTools operator. Usually offered every fall. *Prerequisite:* admission to graduate audio program.

ATEC-613 Advanced Concepts in Audio Mixing (3) This course expands on the mix techniques covered and mix skills introduced in ATEC-611. Students cover the practical use and application of contemporary mixing devices as well as the underlying theory and principles as related to mixing. The course encourages students to develop a personal mixing aesthetic, through focused listening and mix critiques. Usually offered every spring. *Prerequisite:* ATEC-611.

ATEC-621 Advanced Sound Synthesis (3) This course introduces audio synthesis using the Pure Data (Pd) and SuperCollider programming environments with a focus on understanding basic and advanced synthesis techniques. Students learn additive, subtractive, wavetable, frequency modulation, and granular synthesis techniques. Usually offered every fall. *Prerequisite:* admission to graduate audio program.

ATEC-650 Audio Technology Seminar (3) This course enables students to pursue advanced discipline-specific projects, which may include traditional scholarship, electro-acoustic instrument design and construction, advanced live sound reinforcement techniques, post-production audio for film and video, audio engineering for compact disc recordings, and electro-acoustic music composition. The course prepares students for completion of a master's level portfolio project. Usually offered every fall.

ATEC-651 Digital Audio Analysis (3) This course introduces the concepts and mathematics behind standard methods for analyzing audio signals. Students learn how to extract and graph information from digital sound recordings. The course also draws on psychoacoustics in order to illustrate relationships between the physical qualities of sound and aspects of human perception. Usually offered every spring.

ATEC-652 Critical Listening (3) Students develop critical listening skills through aural analysis, ear training, drill and practice, and comparative analyses. Topics covered include spectral balance and equalization, spatial attributes and reverberation, dynamic range control, distortion and noise, audio clip edit points, analysis of sound, frequencies, effects and processing, delays and decays, and master frequencies. Students are expected to identify frequency ranges, specific audio signatures, distortion, edits, and digit manipulation through aural examinations. Usually offered every fall.

ATEC-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

ATEC-750 Capstone (3) This course enables students to pursue advanced discipline-specific projects, which may include electro-acoustic instrument design and construction, advanced live sound reinforcement techniques, post-production audio for film and video, audio engineering for compact disc recordings, and electro-acoustic music composition. Usually offered every spring. *Prerequisite:* ATEC-650.

Biology

Undergraduate Courses

BIO-100 Great Experiments in Biology FA5 (4) The core of biology is the scientific experiment. This course, through lecture and laboratory, focuses on some classic experiments that introduce students to the modern study of biology and scientific method. Experiments include the molecular basis of mutation, separation of complex biologically important molecules, and the construction of demographic tables. Usually offered every term. *Prerequisite:* completion of the University Mathematics Requirement, or concurrent enrollment in MATH-170 or MATH-211 or STAT-202.

BIO-110 General Biology I FA5 (4) An in-depth introduction and exploration of the study of life from atoms, molecules, and organelles to the cellular levels of organization. Emphasis on cell structure and function, energetics and metabolism, the gene, molecular genetics, and evolution. The laboratory component introduces the scientific method and experimentation through the study of microbes, plants and animals. Usually offered every term. *Prerequisite:* MATH-170, MATH-211, or MATH-221, which may be taken concurrently. *Note:* this course is recommended for science majors, pre-medical, or honors students only.

BIO-200 Structure and Function of the Human Body FA5 (3) The human organism as a paradigm for biological organization. The relationship between structure and function of organ systems. Disease processes in the context of normal physiology; social concerns from a biological perspective. Usually offered every term.

BIO-210 General Biology II FA5 (4) An exploration of the origins of planet Earth and life. Emphasis on the organismal and higher levels of biological organization. The diversity of life through a survey of the three domains, various kingdoms and their phylogenetic relationships. The form and function of plants and animals. A consideration of the interrelationships between organisms and environment. The laboratory component explores the diversity of life at the organismal and higher levels of biological organization. Studies include form and function of plants and animals, and selected systems. Usually offered every term. *Prerequisite:* BIO-110. *Note:* this course is recommended for science majors, pre-medical, or honors students only.

BIO-220 The Case for Evolution FA5 (3) What is evolution, how and why does it occur, and what does it tell us about the world around us? This course reviews the process of evolution from the initial organic soup that existed some four billion years ago to the relatively recent emergence of humans. It investigates why species change over time, both in their individual characteristics and their relative abundance, and examines how cultural and technological advances are influencing the current and future biological evolution of humans. Usually offered every term.

BIO-240 Oceanography FA5 (3) The study of the sea from a global perspective. Emphasis on chemical and physical oceanography as it affects life in the seas and the world economies. Includes origin of the oceans, basic navigation, marine geography, plate tectonics, heat budgets, climatology, meteorology, winds, currents, waves, tides, productivity, and fisheries. Usually offered every term.

BIO-300 Cell Biology with Laboratory (4) Integrated study of structure and function of eucaryotic cells, emphasizing their ultrastructure, biochemistry, and physiology. Lab consists of biological buffers, protein and DNA analysis, histology, and enzyme kinetics. Usually offered every fall. *Prerequisite:* BIO-210 and CHEM-210.

BIO-323 Introduction to Ecology (3) Fundamental principles of ecology, with emphasis on the interaction of organisms and their environment at the level of individuals, populations, and communities, including energy flow through and nutrient cycling within ecosystems. Application of ecological principles to current environmental issues. Usually offered every spring. *Prerequisite:* BIO-210; calculus or statistics course is highly recommended.

BIO-340 Marine Biology (3) Biology of marine organisms from a global perspective. Influence of geology, geography, currents, tides, waves, winds, salinity, and other parameters on the distribution of marine organisms. Plankton, nekton, infauna, epifauna, rocky shores, coral reefs, estuarines, beaches, and other environments. Marine ecology. Exercises using living and preserved marine invertebrates and fishes. Weekend field trips may be required. Usually offered alternate falls. *Prerequisite:* BIO-210 or BIO-240.

BIO-342 Marine Mammals (3) An introduction to marine mammal ecology, social organization, behavior, acoustic communication, and conservation. The course focuses on marine mammals in U.S. waters, including bottlenose dolphin, right whale, gray whale, and West Indian manatee. Current periodical literature and text readings are the basis for discussions. Usually offered alternate springs. *Prerequisite:* BIO-100 or BIO-110 and BIO-210 or BIO-220.

BIO-345 Research Experience in Marine Biology (1-6) May be repeated for credit. This course provides students with practical field experience in marine biology including research with faculty, internships, or field experience abroad. Usually offered every spring. *Prerequisite:* BIO-340.

BIO-356 Genetics with Laboratory (5) Basic genetic principles as revealed by classical and modern research methods. Patterns of gene transmission; gene structure, function, interactions, and mutation; chromosomal aberrations; nonchromosomal inheritance; biochemical genetics; and population genetics. Experiments illustrating basic genetic concepts, using materials from corn, *Drosophila*, and humans. Usually offered every spring. *Prerequisite:* BIO-300 or permission of instructor.

BIO-364 Evolution (3) This course covers the mechanisms of evolutionary change from genes to societies and how natural selection interacts with genetic and population processes such that organisms tend to become adapted to their environment and biological diversity increases. Through readings, discussions, and lectures, students explore the evidence for evolution, as well as current theories for the mechanisms that cause evolutionary change. Includes principles of inheritance, the origin of genetic variation, adaptation through natural selection, random processes in evolution, the origin of species, and the role of macroevolutionary processes in shaping current patterns of biodiversity. *Prerequisite:* BIO-110 and BIO-210.

BIO-372 Human Anatomy and Physiology I (4) This course provides an overview of anatomy and physiology through an integrated study of the relationship between the structure and function of the human body. Focus is on the chemical foundations of life, the anatomy and physiology of the cell, and the integumentary, skeletal, muscular, and nervous systems. Clinical applications are presented, which have particular relevance to students preparing for the health care professions. Laboratories provide hands-on training and reinforce material covered in the lecture. Usually offered every fall. *Prerequisite:* BIO-110; BIO-210 is strongly recommended.

BIO-373 Human Anatomy and Physiology II (4) A systematic approach to the study of the human body with an emphasis on the endocrine, lymphatic, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Laboratories provide hands-on training and reinforce material covered in the lecture. Usually offered every spring. *Prerequisite:* BIO-372.

BIO-390 Independent Reading Course in Biology (1-6) *Prerequisite:* permission of instructor and department chair.

BIO-410 Invertebrate Zoology with Laboratory (4) Structure, evolution, and physiology of invertebrate animals, including protozoans. Emphasis on helminths and other parasites, medically significant arthropods, and taxa of significance in aquatic biology. Laboratory emphasizes variety of taxa over types. Usually offered alternate falls. *Prerequisite:* BIO-210.

BIO-434 Vertebrate Anatomy with Laboratory (4) Examination of the function, development, and evolutionary history of anatomical structures within vertebrates. Lectures and laboratory work include systematic and comparative analysis of different vertebrate species. Laboratory illustrates anatomical features in lower and higher vertebrates. Usually offered alternate falls. *Prerequisite:* BIO-210 and BIO-300, or permission of instructor.

BIO-435 Vertebrate Physiology with Laboratory (4) Properties and physiology of vertebrate organ systems are explored. Laboratory illustrates selected physiological principles and encourages scientific inquiry. Usually offered alternate falls. *Prerequisite:* BIO-300 or permission of instructor.

BIO-440 Microbiology with Laboratory (4) Introductory survey of the protists (with emphasis on bacteria): their morphology, physiology, metabolism, growth, and destruction, and their role in human welfare as agents of disease and environmental change. Laboratory techniques of staining, cultivation, isolation, and identification of microbes, with emphasis on bacteria. Experiments on physiology, metabolism, and physical-chemical effects on growth and death of microbes. Usually offered alternate springs. *Prerequisite:* BIO-300 and CHEM-310.

BIO-442 Behavioral Ecology (3) Behavioral ecology examines the ecological and evolutionary basis of animal behavior and how particular behavior patterns contribute to an animal's chances of survival and its reproductive success. This course includes sexual selection and mating systems; sexual conflict, mate choice, and parental care; natural selection and genetics of behavior; evolutionary arms races, predators, and prey, and parasites and hosts; group conflict and cooperation; cooperative breeding; and experimental design and research questions in behavioral ecology. The course is structured to promote lively and productive discussion. Usually offered alternate springs. *Prerequisite:* BIO-210 and BIO-356.

BIO-450 Developmental Biology (3) The descriptive morphology, physiology, biochemistry, genetics, and molecular biology of the developmental processes in a variety of organisms. Meets with BIO-650. Usually offered alternate springs. *Prerequisite:* BIO-300 or permission of instructor and concurrent registration in BIO-451.

BIO-451 Developmental Biology Laboratory (1) Training in embryo manipulation and study of prepared microscopic slides in order to illustrate developmental concepts. Usually offered alternate springs. *Prerequisite:* BIO-300 and concurrent registration in BIO-450.

BIO-490 Independent Study Project in Biology (1-6) *Prerequisite:* permission of instructor and department chair.

BIO-491 Internship (1-4) *Prerequisite:* permission of instructor and department chair.

BIO-497 Senior Honors Thesis I (3) Student designed original laboratory or field research project. Usually offered every term. *Prerequisite:* Senior standing, permission of department and University Honors program.

BIO-498 Senior Honors Thesis II (3) Completion of student designed original laboratory or field research project. Results both written as scientific paper(s) and presented in departmental seminar. Usually offered every term. *Prerequisite:* BIO-497.

BIO-499 Senior Seminar in Biology (3) This seminar, required of all senior biology majors, challenges students to examine unifying principles of biology. Different subjects are presented in discussions, through faculty and guest speakers, readings, and individual student presentations. Usually offered every spring. *Prerequisite:* senior biology majors.

Graduate and Advanced Undergraduate Courses

BIO-501 Mechanisms of Pathogenesis (3) Infectious diseases of humans with emphasis on bacterial pathogens and the biology of the causative agents. Host-pathogens and the biology of causative agents. Host-parasite relationships, pathogenesis, immunology, and epidemiology are studied. Usually offered alternate springs (even years). *Prerequisite:* BIO-300.

BIO-505 Introduction to Neurobiology (3) A general introduction to basic neuroanatomy and neurophysiology, with discussions of current issues in neuroscience. Intended for advanced undergraduates in biology or psychology pursuing a natural science curriculum, and for graduate students in biology and psychology. Usually offered alternate springs (even years). *Prerequisite:* BIO-300 or graduate standing or permission of instructor.

BIO-541 Cellular Immunology (3) Current concepts of the immune response at the cellular level. Structure and function of the T-lymphocyte, B-lymphocyte, macrophages, and ancillary cells. Theories of antibody diversity and the cellular basis of immunoglobulin formation. Cellular aspects of immunologic tolerance, hypersensitivity, surveillance, and clinical immunology. Review of the current literature. Usually offered alternate springs (odd years). *Prerequisite:* BIO-300 or graduate standing.

BIO-561 Biogeography (3) This course emphasizes four persistent themes in biogeography: classifying geographic regions based on their biota; reconstructing the history of biota; explaining the differences in numbers as well as types of species among geographic areas; and explaining geographic variation in the characteristics of individuals and populations of closely-related species. Usually offered alternate springs. *Prerequisite:* BIO-110 and BIO.

BIO-562 Field Methods (3) Biological, chemical, and physical analysis of freshwater and terrestrial habitats. Students participate in weekend field trips to conduct group projects and learn skills for geographic survey, chemical and physical examinations of habitat quality, field sampling techniques of flora and fauna, taxonomic identification, statistical and data analysis, and presentation of results. Usually offered alternate falls. *Prerequisite:* BIO-423 and MATH-221 or STAT-202, or graduate standing in biology or environmental science, or permission of instructor.

BIO-566 Evolutionary Mechanisms (3) The genetic composition of populations and the theory and principles of natural selection. Species formation and differentiation in Darwinian and neo-Darwinian theory. Evolution above the species level and current evolutionary concepts (such as sociobiology and catastrophe theory) are also considered. Usually offered alternate falls (odd years). *Prerequisite:* BIO-356.

BIO-583 Molecular Biology (3) An in-depth study of gene structure and expression. Concepts are described and illustrated further with examples and discussion of classic and current papers from the scientific literature. Includes DNA, RNA and protein synthesis, regulation of gene expression in prokaryotes and eukaryotes, nucleic acid structure, RNA processing, DNA binding proteins and transcription factors, oncogenes, transformation, mutations, DNA repair and recombination. Usually offered every fall. *Prerequisite:* BIO-356, CHEM-560 is recommended.

BIO-585 Bioinformatics (3) The modern genomics era requires that biologists understand bioinformatics, the computational analysis of large biological data sets. In this course, lectures introduce methods and concepts, and techniques are applied during a computer lab. Course topics include sequence retrieval/alignment, Basic Local Alignment Search Tool (BLAST), an algorithm for comparing primary biological sequence information, gene prediction, phylogenetics, and bioinformatics programming in Perl. Usually offered alternate falls.

BIO-587 Genomics (3) Analysis of genomes, transcriptomes, and proteomes. Methods used in the post-genome era to sequence and characterize genomes, including genetic mapping, genome sequencing, gene identification, SNP detection, and comparative genomics. Techniques to characterize genome function including transcriptome sequencing, microarray hybridization, protein profiling, and protein interaction maps. Usually offered alternate falls. *Prerequisite:* BIO-356.

BIO-589 Biotechnology (3) Biotechnology employs concepts from cell and molecular biology to solve modern problems in medicine, agriculture, and other disciplines. In the twenty-first century, it is the cornerstone of the world's economy. This course introduces and builds on concepts integral to advances in genetic, cell, systems, and molecular biology. Usually offered every spring.

BIO-590 Independent Reading Course in Biology (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

BIO-650 Developmental Biology (3) The descriptive morphology, physiology, biochemistry, genetics, and molecular biology of the developmental processes in a variety of organisms. Meets with BIO-450. Usually offered alternate springs.

BIO-677 Topics in Biology (1-4) Topics vary by section, may be repeated for credit with different topic. Current research and developments in various fields of biology, including developmental biology and evolutionary biology. *Prerequisite:* permission of instructor.

BIO-679 Topics in Evolutionary Biology (1-4) Topics vary by section, may be repeated for credit with different topic. Current research topics such as molecular evolution, biochemical approaches to evolution, mathematical modeling of evolutionary processes, and the interaction of genetics, developmental biology, ecology, and evolutionary biology. Usually offered every spring. *Prerequisite:* permission of instructor.

BIO-690 Independent Study Project in Biology (1-6) *Prerequisite:* permission of instructor and department chair.

BIO-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

BIO-697 Research Methodology in Biology (3) Basic scientific research skills necessary for experimental design, data analysis, literature critiques, and disseminating results. Includes techniques for literature research, scientific writing including thesis proposal preparation, the use of statistical packages, and the preparation of an oral presentation for a thesis defense, seminar, or professional meeting. Usually offered every fall. *Prerequisite:* graduate standing in biology.

BIO-790 Biology Literature Research (1-6) Students conduct a literature search on some aspect of the biological sciences under the direction of their guidance committee, culminating in the submission of a review paper. Usually offered every term. *Prerequisite:* MA candidate in biology.

BIO-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* MS candidate in biology.

Chemistry

Undergraduate Courses

CHEM-100 The Molecular World FA5 (4) A general introduction to chemistry leading to biochemistry and the chemistry of life. Study of the composition of materials, their structures and properties, related energy conversions, and the use of molecular genetic information. Questions of scientific inquiry and the scientific method in cultural and historical contexts are considered. Usually offered every term. *Prerequisite:* completion of the University Mathematics Requirement, or concurrent enrollment in MATH-170 or MATH-211 or STAT-202.

CHEM-110 General Chemistry I FA5 (4) A general introduction to chemistry: the scientific method; atomic structure; stoichiometry and chemical reactions; heat changes; electronic structure of atoms; molecular geometry; and liquid, solid, gas, and solution chemistry. Provides a sound basis in concepts, vocabulary, and analytical problem solving. Related laboratory work covers the scientific method, measurements using scientific apparatuses, collection and manipulation of data, error analysis, and illustration of scientific principles. Usually offered every term. *Prerequisite:* completion of the University Mathematics Requirement, or concurrent enrollment in MATH-170 or MATH-211 or STAT-202.

CHEM-150 Chemistry of Cooking FA5 (4) Whether they know it or not, everyone is a chemist in the kitchen. This course dispels the notion that chemistry is only for the trained and gives students the confidence to experiment in their own cooking. Chemical topics include structure and function, acid/base chemistry, and reaction energetics.

CHEM-205 The Human Genome FA5 (3) The human genome is the DNA book of life, containing information to create networks of proteins that construct a human being. The course discusses how the genome was read, how variants in DNA information are detected, and how interactions of networks of proteins are deciphered. Also, how this information changes views of disease, medical treatments, and our image of ourselves as a species. Can environmental factors override our genes (nurture vs. nature)? Substantial focus on ethical and social issues related to genetic testing, gene therapy, and our understanding of race. Usually offered every term.

CHEM-210 General Chemistry II FA5 (4) Oxidation-reduction reactions, reaction rates, equilibrium and its relation to thermodynamics, acid-base chemistry and its practical applications, electrochemistry, molecular bonding theory, and nuclear chemistry. Related laboratory work covers titration techniques, spectroscopic analysis, kinetics experiments, and introduction to qualitative and quantitative analysis. Usually offered every spring. *Prerequisite:* CHEM-110.

CHEM-230 Earth Sciences FA5 (3) Combines geology, geophysics, and geochemistry in describing the evolution of our planet, the deep structure of the earth, its plate tectonic evolution, and interaction of the crust with the hydrosphere, biosphere, and atmosphere. Occasional laboratory demonstrations and field trips. Usually offered every term.

CHEM-250 Criminalistics, Crime, and Society FA5 (3) This course presents the unique and challenging application of science to law. The focus is on the scientific aspects of criminal investigations and judicial process. The course includes an overview of forensic science, the identification of illicit drugs, fibers, hairs, accelerants, gun shot residues, and explosives by chemical analysis, as well as DNA profiling. Emphasis is placed on the techniques of sampling a crime scene and the use of physical evidence to help solve cases. Students learn how to unlock the mystery of crimes through application of physical and chemical techniques.

CHEM-310 Organic Chemistry I (3) Systematic treatment of hydrocarbons, alkyl halides, alcohols, carbonyl compounds, acids, and their derivatives. Ionic and free radical reactions and stereochemistry. Usually offered every fall. *Prerequisite:* CHEM-210. *Co-requisite:* CHEM-312.

CHEM-312 Organic Chemistry I Laboratory (1) Laboratory theory and practice in synthesis, separation, and purification of organic compounds. Introduction to separation techniques including thin-layer, column, and gas chromatography. Usually offered every fall. *Co-requisite:* CHEM-310.

CHEM-320 Organic Chemistry II (3) Aliphatic and aromatic compounds and electrophilic substitution; spectral methods; and nitrogen compounds and their derivatives. Introduction to polyfunctional compounds including amino acids, carbohydrates, lipids, and nucleic acids. Usually offered every spring. *Prerequisite:* CHEM-310. *Co-requisite:* CHEM-322.

CHEM-322 Organic Chemistry II Laboratory (1) Multistep syntheses; synthesis of polyfunctional compounds; introduction to infrared and nuclear magnetic resonance spectra; qualitative organic analysis. Usually offered every spring. *Co-requisite:* CHEM-320.

CHEM-330 Environmental Chemistry (3) This course emphasizes that all parts of the environment are made up of chemicals, and that natural processes occurring in the environment all involve chemical reactions. As part of a description of the chemistry of the lithosphere, hydrosphere, and atmosphere, the composition of an unpolluted environment is presented, as well as techniques used by the EPA to measure pollutants. *Prerequisite:* CHEM-110.

CHEM-390 Independent Reading Course in Chemistry (1-6) *Prerequisite:* permission of instructor and department chair.

CHEM-398 Honors: Junior Year (1-3) Independent chemical laboratory research project under the direction of a faculty advisor. Usually offered every fall. *Prerequisite:* CHEM-320/CHEM-322, and permission of department chair and university honors director.

CHEM-399 Honors: Junior Year (1-3) Independent chemical laboratory research project under the direction of a faculty advisor. Usually offered every spring. *Prerequisite:* CHEM-320/CHEM-322, a grade of B or better in CHEM-398 if taken, and permission of department chair and university honors director.

352 Course Descriptions

CHEM-410 Biophysical Chemistry (3) This physical chemistry course provides an introduction to the states of matter, thermodynamics, equilibrium, solutions, and kinetics applied to biological and environmental systems by using examples from the life sciences. Usually offered every spring. *Prerequisite:* CHEM-320 and MATH-221.

CHEM-435 Topics in Biological and Organic Chemistry (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include advanced techniques in QSAR and drug discovery. Meets with CHEM-635. Usually offered alternate springs. *Prerequisite:* CHEM-310/CHEM-312, and CHEM-320/CHEM-322 or equivalent.

CHEM-455 Topics in Inorganic and Analytical Chemistry (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include organometallics or advanced techniques in NMR and mass spectrometry. Meets with CHEM-655. Usually offered alternate springs. *Prerequisite:* permission of instructor and department chair.

CHEM-460 Instrumental Analysis (3) Analytical and instrumental methods; statistical analysis of data and errors; theory of optical and chromatographic methods including ultraviolet, visible, infrared, and fluorescence spectroscopy, and gas and liquid chromatography; atomic spectroscopy; mass spectrometry; and nuclear magnetic resonance. Usually offered every fall. *Prerequisite:* CHEM-320, MATH-222, and PHYS-210.

CHEM-462 Topics in Environmental Chemistry (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including applications of green chemistry, atmospheric chemistry, recycling and remediation, and natural products chemistry. Meets with CHEM-662. Usually offered alternate falls. *Prerequisite:* CHEM-210.

CHEM-490 Independent Study Project in Chemistry (1-6) *Prerequisite:* permission of instructor and department chair.

CHEM-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

CHEM-498 Honors: Senior Year (1-3) Independent chemical laboratory research project under the direction of a faculty advisor. Usually offered every fall. *Prerequisite:* CHEM-420, CHEM-460, a grade of B or better in CHEM-399 if taken, and permission of department chair and university honors director.

CHEM-499 Honors: Senior Year (1-3) Independent chemical laboratory research project under the direction of a faculty advisor. A senior thesis must be written and the results of research presented at a departmental seminar. Usually offered every spring. *Prerequisite:* CHEM-498 with a grade of B or better if taken and permission of department chair and university honors director.

Graduate and Advanced Undergraduate Courses

CHEM-510 Advanced Physical Chemistry (3) Advanced physical chemistry course covering quantum chemistry, molecular spectroscopy, group theory, molecular spectroscopy, statistical mechanics, and modern physical chemistry research topics. Usually offered alternate falls. *Prerequisite:* CHEM-320 and MATH-313. *Co-requisite:* CHEM-581.

CHEM-520 Advanced Organic Chemistry I (3) Principles of physical organic chemistry. Bonding and conformational analysis; nucleophilic substitution at carbon; elimination and addition reactions; carbene chemistry; and cycloaddition reactions. Usually offered every fall. *Prerequisite:* organic and physical chemistry.

CHEM-521 Advanced Organic Chemistry II (3) Synthetic and mechanistic aspects of the chemistry of carbonyl compounds. Acylations, alkylations, and other condensations; oxidation and reduction reactions. Application of orbital symmetry correlations to organic reactions. Usually offered every spring.

CHEM-540 Advanced Analytical Chemistry (3) Techniques of chemical analysis; theory of acid-base, complexation, precipitation, and redox equilibria; volumetric and gravimetric analysis; statistical analysis of data; separation and analysis of complex mixtures; ion-selective electrodes, polarography; amperometry; atomic and x-ray spectroscopy; chromatography, microscopy; radiometric techniques; and neutron activation analysis. Usually offered alternate spring. *Prerequisite:* CHEM-460.

CHEM-542 Chemical and Enzyme Kinetics (3) Study of reactions, catalysis, and enzymes. Reversible, concurrent, and consecutive reactions. Steady state approximation, transition states and mechanisms. Reactions in solutions and on surfaces. *Prerequisite:* MATH-222 and CHEM-410.

CHEM-550 Advanced Inorganic Chemistry (3) This course covers topics historically taught in inorganic chemistry, including bonding theory, molecular symmetry, spectroscopy, acid-based chemistry, coordination chemistry, and electrochemistry. It also covers modern applications of transition-metal catalyzed reactions, metals in biology, and solid-state chemistry. Usually offered every fall. *Prerequisite:* CHEM-320. *Co-requisite:* CHEM-582.

CHEM-560 Biochemistry I (3) Biochemistry is the study of the chemistry of life. This course, the first of a two-course sequence, focuses on structures and function of carbohydrates, lipids, amino acids, proteins, DNA and RNA; enzyme kinetics; DNA replication; gene expression and protein synthesis; recombinant DNA technology; and DNA-based information technology. Usually offered every fall. *Prerequisite:* one year of organic chemistry.

CHEM-561 Biochemistry II (3) Biochemistry is the study of the chemistry of life. This course, the second of a two-course sequence, focuses on principles of signal transduction; principles of bioenergetics and metabolic regulation; catabolism and anabolism of carbohydrates, lipids, amino acids, and nucleotides; and hormonal regulation of mammalian metabolism. Usually offered every spring. *Prerequisite:* CHEM-560.

CHEM-565 Introduction to Proteomics (3) An introduction to genomics and protein production from genes. Includes protein activities and functions; networks of proteins and protein expression; structural biological method for determining protein structures and interactions of small molecules such as pharmaceuticals, with protein targets; and methods for identifying protein functions and protein-protein interaction networks. Usually offered alternate springs. *Prerequisite:* CHEM-560.

CHEM-571 Experimental Biological Chemistry I (3) Students are introduced to the department's student-led research project developing technologies and basic understanding of protein nanoparticle conjugates. They gain familiarity with these materials as well as proficiency in techniques usually used in labs associated with analytical, biophysical, and biochemistry courses. Usually offered every fall. *Prerequisite:* CHEM-322.

CHEM-572 Experimental Biological Chemistry II (3) In this course students design and execute experiments to expand their understanding and increase the functional properties of protein nanoparticle conjugates from CHEM-571. Students projects are the basis for lab development and students are encouraged to publish their work in scientific journals. Usually offered every spring. *Prerequisite:* CHEM-571.

CHEM-581 Experimental Chemistry I (3) Chemistry is inherently an experimental science. In this course students learn and become familiar with the experimental techniques necessary to answer some of the most challenging questions in modern chemistry. Usually offered alternate falls. *Co-requisite:* CHEM-510.

CHEM-582 Experimental Chemistry II (3) Good research practices require chemists to develop experiments that effectively probe relevant or interesting scientific problems. Students apply the knowledge gained in CHEM-581 to develop and carry out experiments of their own design. Usually offered alternate springs. *Prerequisite:* CHEM-581. *Co-requisite:* CHEM-550.

CHEM-590 Independent Reading Course in Chemistry (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

CHEM-602 Research Method Design (3) The development of laboratory skills and chemical communication. An introduction to laboratory safety, eye protection, and dealing with hazardous materials, and how to search literature indexes by formula and structure. Presentation of the purpose and strategy of research method design, and preparation of a research proposal. Usually offered every fall.

CHEM-605 Research Seminar (3) Presentation and practice of modern chemical techniques, including thin layer chromatography, analytical and preparative high pressure liquid chromatography, gas chromatography, ion chromatography, capillary electrophoresis, GC-MS and LC-MS, NMR, sample extraction and preparation techniques and methods used to standardize instruments. Students present a seminar describing the experimental results of their research project. Usually offered every spring.

CHEM-635 Topics in Biological and Organic Chemistry (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include advanced techniques in QSAR and drug discovery. Meets with CHEM-435. Usually offered alternate springs. *Prerequisite:* permission of instructor and department chair.

CHEM-655 Topics in Inorganic and Analytical Chemistry (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include organometallics or advanced techniques in NMR and mass spectrometry. Meets with CHEM-455. Usually offered alternate springs. *Prerequisite:* permission of instructor and department chair.

CHEM-662 Topics in Environmental Chemistry (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including applications of green chemistry, atmospheric chemistry, recycling and remediation, and natural products chemistry. Meets with CHEM-462. Usually offered alternate falls. *Prerequisite:* permission of instructor and department chair.

CHEM-690 Independent Study Project in Chemistry (1-6) *Prerequisite:* permission of instructor and department chair.

CHEM-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

CHEM-797 Master's Thesis Research (1-6) May be taken SP/UP only.

Communication

Note: The program track or tracks of each undergraduate professional course are noted in the course descriptions below: (BJ) Broadcast Journalism, (CS) Communication Studies, (FM) Film and Media Arts, (PJ) Print Journalism, (PC) Public Communication. Media Studies courses are identified by (MS).

Noncredit Courses

COMM-033 Practicum in Non-Linear Editing (0) A one-week intensive course designed to introduce basic concepts and applications of non-linear editing. Workshop format covers basic and intermediate non-linear editing skills on the Media 100 platform. Sessions are divided into interactive lecture presentation and hands-on tutorials. *Prerequisite:* COMM-434 or COMM-634.

COMM-070 Discover the World of Communication (0) Noncredit workshops in current practices and trends in the film, video, and television professions. High school students select courses in film and video production, direction, writing, design, and management, post-production editing, and other related fields. Small classes and active participation are stressed. Usually offered every summer.

COMM-080 Film and Digital Media Workshop (0) Noncredit workshops covering a variety of skills in both technical and business aspects of film and digital media. Usually offered once per year. *Prerequisite:* permission of school.

Undergraduate Courses

COMM-100 Understanding Media FA4 (3) (BJ, PJ, PC, FM) Building on students' individual and collective experiences of mass media (print, film, radio, television, and digital media), this course analyzes American media institutions: their development and social role; the economic and political constraints they face; and their effect on us as a society and as individuals. Usually offered every term.

COMM-102 Selected Topics in Leadership (1-3) Topics vary by section, may be repeated for credit with different topic. Analyses of topics in leadership in a global era, with special attention to communication skills, ethics, and current issues in media. Usually offered every summer. *Prerequisite:* permission of school.

354 Course Descriptions

COMM-105 Visual Literacy FA1 (3) (PC, FM) (MS) This course introduces students to ways of understanding visual images in a variety of contexts, including art, photography, film, and performing arts. Students learn about aesthetics, as well as the production aspects of visual images; discover intuitive dimensions of seeing; and analyze the influence of culture on visual symbols and communication. Hands-on learning in blog development, photography, and video production puts theory into action. Usually offered every term.

COMM-200 Writing for Communication (3) (BJ, CS, FM, PC, PJ) A course stressing basic writing techniques for unique audiences. Intensive practice in writing for print, web, broadcast, public communication and public service. Usually offered every term. *Prerequisite:* SOC major or minor, or major in foreign language and communication media, CLEG, environmental science, or business and entertainment.

COMM-209 Communication and Society (3) (CS, PC) The role communication processes play in society, with consideration of applied and theoretical implications. Focus is on media and its effects from a public communication perspective, including the role and impact of public relations, advertising, and journalism, with emphasis on digital media. Usually offered every term.

COMM-250 Digital Imaging (3) An introduction to the technical aspects of digital imaging and basic techniques such as selection and retouching tools that challenges students to create effective visual communication designs. The course includes how to effectively use layers, channels, and masks to edit and composite images with discussions focusing on creating and recognizing effective visual communication concepts and carrying out these concepts through design. Students should expect to spend additional time in the lab outside of the scheduled class time. Usually offered every term. *Prerequisite:* COMM-105 or GDES-200, and SOC major.

COMM-270 How the News Media Shape History FA2 (3) (BJ, CS, PJ) (MS) The impact that the print and broadcast news media have had on America. The role and value of a free press, always powerful and usually responsible. How radical writers helped start the American Revolution to how today's reporters influence contemporary political events. Usually offered every term.

COMM-275 Dissident Media: Voices from the Underground FA4 (3) (BJ, CS, PJ) (MS) The evolution and impact of alternative media as forces for social change. How dissident groups have used non-establishment media such as suffragist and Socialist journals, African-American and gay presses, counterculture tabloids, Christian-right newsletters, and the "zines" of the 1990s to organize and bring about reform. Also examines the power of communication, the interplay between media and society, and the complex role of politically dissident media in American history. Usually offered once a year.

COMM-280 Contemporary Media in a Global Society FA3 (3) (BJ, CS, PJ) (MS) An exploration of the relationship between international communication and foreign policy, with an emphasis on the traditions, practices, legal aspects, government controls, and attitudes in various countries and their impact on freedom of thought and expression. Usually offered every fall and spring.

COMM-285 Media, Mapping, and Thinking in 3-D (3) This course explores new forms of envisioning and mapping places, ideas, people, and things. It introduces emerging forms of geo-spatial communication, such as GoogleEarth, computerized mapping, and GPS, that are applied to a broad range of information-handling tasks used in courses across the university. Includes 3-D and 4-D visualization.

COMM-300 Interpersonal Communication (3) (PC) Principles of interpersonal communication: communication models and systems; the role of perception in communication; verbal and nonverbal message elements; and communication barriers, breakdowns, and methods of improvement. Classroom exercises in interviewing techniques, small-group problem solving, and public speaking. Usually offered every term. *Prerequisite:* COMM-100.

COMM-301 Public Relations (3) (CS, PC) An introduction to public relations that explores the strategy and tactics involved in this field. Learn the strategic concepts behind public relations and the ways that professionals practice it. Topics include audience targeting and research, message development, media relations, and using all possible tactics, including traditional and social media, to reach people and communicate with them. Students see how public relations works in such areas as business, society, entertainment, sports, and politics, among others, and learn how public relations professionals deal with crises, communications challenges, and different publics. Usually offered every term. *Prerequisite:* COMM-209 (may be taken concurrently) and minimum 2.5 GPA.

COMM-305 Digital Skills (3) (BJ, CS, PJ) Digital storytellers have more options than ever before in today's dynamic and hyper-connected world. This hands-on course is an introduction to multimedia tools and techniques in producing words and images, audio and video, and cutting-edge interactivity. *Prerequisite:* COMM-100 and COMM-200, minimum 2.5 GPA, and major in Journalism, Communication Studies, or Foreign Language and Communication Media.

COMM-310 Public Speaking (3) (PC) Principles of effective speaking. Practice in preparing and presenting several types of public address. Usually offered every term. *Note:* students may not receive credit for both COMM-310 and COMM-210. *Prerequisite:* minimum 2.5 GPA.

COMM-320 Reporting (3) (BJ, PJ) Professional training in news gathering, writing, and news judgment for traditional news and new media platforms. Study of news sources, ethical reporting techniques, fieldwork, research, and interview methods for print, web, broadcast, and their convergence. Learning the mission of journalism in democracy. Usually offered every term. *Prerequisite:* COMM-305 and minimum 2.5 GPA.

COMM-322 Editorial Policies and Methods (3) (PJ) Instruction and practice in editing. Online and newspaper copy editing, editorial judgment, deadline writing, and design and layout. *Prerequisite:* COMM-200, COMM-320, journalism major, and minimum 2.5 GPA.

COMM-325 Feature Article Writing (3) (PJ) Study of short and long-form feature articles for web-zines, blogs, newspapers and magazines, with a focus on the art of the interview, investigative techniques and in-depth writing skills. Class also gives professional instruction in the marketing for publication of these articles. Usually offered every spring. *Prerequisite:* COMM-320 and minimum 2.5 GPA.

COMM-326 Sports Journalism (3) (PJ, BJ) The history of sports coverage and current issues in major sports. Examines legal, ethical, and social aspects including contract law, the relationship between hometown news media and local teams, women in sports, and the lure of sports heroes in a changing society. Usually offered every spring. *Prerequisite:* COMM-100, COMM-200 and minimum 2.5 GPA.

COMM-327 The PR Presidency (3) (CS, PC) (MS) This course looks at the way public relations, communications, and the media have defined the modern presidency. Campaigning, governing, building public opinion, addressing the nation, making news—all are built on a foundation of public relations and image making, and all are examined in this course. Special attention is paid to the role of the media, especially television, in shaping the presidency. Usually offered every fall. *Prerequisite:* minimum 2.5 GPA.

COMM-330 Principles of Photography (3) (FM, PJ, PC) Introduction to basic technical and aesthetic principles of black and white photography, from learning how to operate 35mm film and digital SLR cameras, to processing and developing film, and printing both in the darkroom and digitally. Usually offered every term. *Prerequisite:* COMM-105 or ARTS-100 or GDES-200, film and media arts, graphic design, or multimedia major or graphic design minor, and minimum 2.5 GPA.

COMM-331 Film and Video Production I (3) (FM) Fundamental technical and aesthetic considerations involved in visual media production. Through projects in audiotape, 35mm slides, and small format video that are critiqued in class, students learn the principles and procedures of sound recording and editing, cinematography, editing visual images, and preproduction planning. Usually offered every term. *Prerequisite:* COMM-105, sophomore standing, film and media arts, multimedia, or business and entertainment major, and minimum 2.5 GPA.

COMM-337 Public Relations Writing (3) This course teaches writing for strategic public relations in various formats and for different media, and develops skills for print, radio, visual media, and the web. Students gain experience writing message-driven public relations materials through such media tools as news releases, media alerts, pitch letters, public service announcements, speeches, and social media. Covers AP style. Usually offered every term. *Prerequisite:* COMM-200, COMM-301 with a grade of B or better, public communication major, and minimum 2.5 GPA.

COMM-346 Public Relations Case Studies (3) (PC) Case studies and typical public relations problems in industry, labor, education, government, social welfare, and trade associations. Planning and preparation of communications materials for various media; application of public relations techniques. Usually offered every term. *Prerequisite:* COMM-301 with a B or better, public communication major, and minimum 2.5 GPA.

COMM-360 Myths of the Media (3) This course offers a wide-ranging critique of media performance by assessing the emergence, diffusion, and tenacity of media-driven myths. These are prominent stories about or by the news media that are widely believed, but under scrutiny, prove to be false. Examples studied include Watergate, crack babies, and Hurricane Katrina. Usually offered every fall. *Prerequisite:* SOC major or minor, or CLEG major, and minimum 2.5 GPA.

COMM-365 Digital Media and Culture (3) Examines the central role digital media technologies play in culture and society. Presents historical and contemporary theories about how digital media provide the structures in which individual identity is formed, social relations manifest, political discourse occurs, and economic power flows. Includes restrictions on media freedom, privacy, and surveillance online. Usually offered every term. *Prerequisite:* SOC major or minor, and minimum 2.5 GPA.

COMM-380 Public Communication Research (3) (PC) In this course students gain an understanding of why research is an essential aid for decision making in strategic communications. It is an introduction to qualitative and quantitative research methods. Students learn how to formulate a research questions and execute a research design, including the basics of sampling, data collection and analysis, and interpretation of results. They conduct research projects such as secondary research, focus groups, content analysis, and surveys and learn how to apply the results to strategic communication situations. Usually offered every term. *Prerequisite:* COMM-301 with a B or better, public communication major, and minimum 2.5 GPA.

COMM-382 Writing for Visual Media (3) (FM) Techniques of writing scripts for film and television productions. Students write treatments and screenplays for television, proposals for public service announcements, commercials and scripts for nontheatrical film and video productions. Usually offered every term. *Prerequisite:* COMM-105, COMM-200, film and media arts, multimedia, or business and entertainment major, and minimum 2.5 GPA.

COMM-385 Digital Audio Production (3) (BJ) Writing, reporting, interviewing, and digital editing of audio stories. The class emphasizes radio news production, including commercial and public radio style, and narrative and non-narrative storytelling. Students work under deadline, creating radio newscasts and/or podcasts, and build an online portfolio of audio, web stories, and audio-photo slideshows. Usually offered every term. *Prerequisite:* COMM-320, journalism major, and minimum 2.5 GPA.

COMM-390 Independent Reading Course in Communication (1-6) *Prerequisite:* minimum 2.5 GPA., permission of instructor and division director.

356 Course Descriptions

COMM-391 Internship (3) *Prerequisite:* junior standing, minimum 2.5 GPA, and permission of school.

COMM-401 Communication Law (3) (BJ, CS, PC, PJ) (MS) Practical introduction to the U.S. legal system and to laws, regulations, and current cases involving media. Includes a broad understanding of libel, copyright, advertising regulation and First Amendment protections across traditional and emerging media platforms. Introduction to legal writing and research, reasoning and analytic skills. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-425 Advanced Reporting (3) (PJ) This course is designed to provide students with advanced skills in reporting, interviewing, writing, producing and distributing news content with a focus on reporting on and in Washington, D.C. Students learn and develop research and reporting skills for in-depth assignments, in print and digital media. Usually offered every term. *Prerequisite:* COMM-320, journalism major, and minimum 2.5 GPA.

COMM-426 Sports Writing and Reporting (3) This course gives students the opportunity to become full-fledged sportswriters. The course is divided into three parts, the preseason, regular season, and post-season, and students work individually and in groups to produce game stories, features, columns, and blogs, culminating in each student writing and reporting an enterprise story. Much of the work centers on American University athletic teams, but students also get the chance to cover off-campus sports events. Usually offered every fall. *Prerequisite:* minimum 2.5 GPA.

COMM-428 Advanced Television and Video Production (3) (BJ) Producing, writing, reporting, and non-linear editing of television newscasts and other television news magazine formats. Field reporting and line producing daily newscasts under deadline. Live production for television and post-production for digital platforms. News topics include local, national, and international news as well as health, sports, entertainment and weather. Usually offered every term. *Corequisite:* COMM-432. *Prerequisite:* COMM-385, journalism major, and minimum 2.5 GPA.

COMM-432 Backpack Video Journalism (3) (BJ) Instruction in shooting, editing, and producing of video stories; merging of script, video, and graphics into the final product. Working alone or in small teams, students learn to use digital cameras, microphones, lights, tripods, field shooting techniques, and nonlinear editing. Students produce a video résumé reel as a capstone project. Usually offered every term. *Corequisite:* COMM-428. *Prerequisite:* COMM-385, journalism major, and minimum 2.5 GPA.

COMM-433 Broadcast Delivery (3) (BJ) (MS) Concentrated analysis of and training in the delivery of news on radio and television. All facets of broadcast news styles and performance are examined and developed. Obstacles to effective communication of news by the voice are identified, and remedies are attempted. Meets with COMM-633. *Prerequisite:* journalism major, and minimum 2.5 GPA.

COMM-434 Film and Video Production II (3) (FM) Includes 16mm silent and small-format video location production. Emphasis is on planning, treatment and shot scripting, development of scene and character, location lighting, refinements of continuity, location sound recording, and visual design. Meets with COMM-634. Usually offered every term. *Prerequisite:* COMM-331 and COMM-382 (may be taken concurrently), or MGMT-301, and minimum 2.5 GPA.

COMM-435 Introduction to Studio Television (3) (FM) A hands-on laboratory course to teach basic studio operation and production skills, including the production roles of director, technical director, audio engineer, teleprompter operator, floor manager, and camera operator as well as original production planning. The class stresses teamwork and professionalism through participation in the creation of an original short television series. Meets with COMM-635. Usually offered every term. *Prerequisite:* COMM-105, film and media arts major, and minimum 2.5 GPA.

COMM-437 Public Relations Portfolio (3) (PC) This course implements the skills, techniques, and strategies learned in previous public relations classes by giving students the opportunity to work with a real-world client. Specific deliverables are met that may include social media campaigns, events, product launches, public service announcements, websites, news releases, and media relations campaigns for clients who may be nonprofits, established organizations, and global entities. Usually offered every term. *Prerequisite:* COMM-337, COMM-346, COMM-380, public communication major, and minimum 2.5 GPA.

COMM-438 Production Practicum (1-3) (FM) Topics vary by section, may be repeated for credit with different topic. Provides students with skills training in a variety of media production areas. Topics include non-linear editing, digital post production, location sound production, studio sound production and mixing, location lighting techniques, cinematography, digital authoring, and coding. *Prerequisite:* minimum 2.5 GPA.

COMM-450, COMM-451 Washington Journalism Semester Seminar I (4), II (4) COMM-450 and COMM-451 are taken together, and explore journalism as it exists and is practiced in Washington, D.C. The seminar studies the people, institutions, and issues of Washington journalism with weekly guest speakers, field trips, readings, review sessions, and lectures. Usually offered every fall and spring. *Prerequisite:* admission to Washington Journalism Semester. *Note:* not open to American University communication majors.

COMM-452 Washington Journalism Semester Internship (4) Professional communication work in an off-campus organization, providing the student with experience not available in the curriculum. Usually offered every fall and spring. *Prerequisite:* admission to Washington Journalism Semester. *Note:* not open to American University communication majors.

COMM-454 Motion Graphics and Effects I (3) (FM) This course focuses on the creation of motion graphics using animation and compositing programs. Through discussions of concepts and design, students learn techniques to creatively use software tools to achieve dramatic and artistic effects. Current software and concepts used for cutting edge motion graphics and compositing in motion pictures, television, commercials, and music videos are introduced and examples of outside work are presented and analyzed in class. Students are encouraged to learn from each other's examples, problems, and solutions. Students should expect to spend additional time in the lab outside of the scheduled class time. Meets with COMM-654. Usually offered every fall. *Prerequisite:* COMM-350 or GDES-220, and minimum 2.5 GPA; or permission of school.

COMM-456 Dramatic Production (3) (FM) Techniques of 16mm sound-film production: lighting, sound recording, cinematography, and post production. Meets with COMM-656. Usually offered every term. *Prerequisite:* COMM-434, COMM-382, film and media arts major, and minimum 2.5 GPA.

COMM-464 Directing for Camera (3) (FM) Examines the role of the director in fiction film. The course focuses on creative and aesthetic concerns as well as technical knowledge and skills the director needs to function successfully as a storyteller. There is emphasis on the collaborative relationship between the director and the actor. The course is designed as a director's laboratory where students are exposed to a variety of skills and approaches. The workshop format includes lectures, discussions, scene rehearsals, and critiques of student work. Meets with COMM-664. Usually offered every fall. *Prerequisite:* COMM-331, COMM-382, film and media arts major, and minimum 2.5 GPA.

COMM-470 Organizational Communication (3) (PC) Communication practices in complex organizations. Formal and informal communication networks and problems associated with each. Forms of communication used in organizations. Field research project in a Washington-area organization. *Prerequisite:* minimum 2.5 GPA.

COMM-486 Advanced Documentary Techniques (3) (FM) Designed to fine tune students' exposure to and practice in a variety of contemporary documentary techniques. Each student produces a final project, but during the semester works in teams on a variety of documentary genres, including observational, web docs, nonprofits, historical, narrated, and mockumentary. Meets with COMM-686. Usually offered every two years. *Prerequisite:* COMM-434 and minimum 2.5 GPA.

COMM-490 Independent Study Project in Communication (1-6) *Prerequisite:* permission of instructor and division director and minimum 2.5 GPA.

COMM-491 Senior Professional Internship (3) Professional communication work in an off-campus organization appropriate to the student's academic program. *Prerequisite:* Minimum 2.5 GPA and permission of school and instructor. Public Communication majors: COMM-337 or COMM-346 or COMM-380; Journalism majors: COMM-325 or COMM-385 or COMM-502 or COMM-522; Film and Media Arts majors: COMM-331 and COMM-382.

Graduate and Advanced Undergraduate Courses

COMM-500 Investigative Journalism Practicum (3) This course involves students working in groups on long-form investigative projects with The Washington Post and other organizations and institutions in partnership with the school. Students demonstrate high-level research and journalistic skills while completing in-depth projects. Usually offered every term. May be taken A-F only. *Prerequisite:* permission of program director.

COMM-501 Data-Driven Journalism (3) This course reviews the history and trends in computer-assisted reporting. The course provides students with the basic skill in using spreadsheets, databases, programming, and data visualization in a journalistic context. Usually offered every spring. May be taken A-F only. *Prerequisite:* admission to the journalism program and permission of the school.

COMM-502 In-Depth Journalism (3) (PJ) (MS) Introduces students to the history, purposes, power, and responsibilities of investigative journalism. Also introduces students to the specialized reporting and interviewing techniques of investigative reporting and requires students to develop these skills while participating in a group investigative journalism project. Usually offered once a year. *Prerequisite:* minimum 2.5 GPA and permission of school.

COMM-503 Broadcast and Multimedia Journalism Management (3) (BJ) (MS) Students gain an understanding of the functions and economic structure of broadcast and multi-media journalism management at the local, national, and international level. Students also learn the challenges for commercial, cable, and public broadcasting include news management, programming, and distribution issues across traditional and new media platforms, in the United States and internationally. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-504 Journalism Ethics (3) (BJ, CS, PJ) (MS) This course provides students with a fundamental understanding of the professional responsibilities journalists owe to society. It also provides practical training in ethical decision making. Discusses how best to meet professional obligations on a day-to-day basis and looks ahead to future ethical issues on the horizon. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-505 History of Broadcast Journalism (3) (BJ) (MS) The sights and sounds of history as radio and television brought the news of the world to Americans. Study of the pioneers of the electronic news media and their influence on society, and the evolution of broadcast journalism from the 1930s to the 1970s. Usually offered every two years. *Prerequisite:* minimum 2.5 GPA.

COMM-507 Media in Britain (3) (BJ, CS, FM, PC, PJ) (MS) Offered as part of the AU Abroad London Semester. An overview of the contemporary British media industry, its wider social and political contexts, and the historical development of the UK's distinctive media culture. The course explores the roles, functions, and practices of Britain's print and electronic media, including debates concerning content and structural regulation and implications for developing technology. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-509 Politics and the Media (3) (BJ, CS, PC, PJ) (MS) Examination and analysis of the intersection of media and politics today. This course focuses on how media in all forms, from mainstream TV and newspapers to blogs, political ads and web sites, have an impact on politics; how political actors seek to promote their messages and campaigns; and how the intersection of politics and media influences public opinion and public policy. Usually offered once a year. *Prerequisite:* minimum 2.5 GPA.

COMM-510 Women in Journalism (3) (BJ, CS, PJ) (MS) Examines women's historical and contemporary participation in print and broadcast journalism, including pioneering woman journalists of the eighteenth, nineteenth, and twentieth centuries, African-American women journalists, newswomen of the battlefield, and depictions of women journalists on film and television. Also covers contemporary issues facing women in journalism, and the portrayal of women in the news media. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-511 History of Documentary (3) (BJ, CS, FM, PJ) (MS) Development of the documentary form from early cinema to the digital era. Explores documentary in terms of aesthetic strategies, ethical issues, and economic and historical context. Usually offered every fall. *Prerequisite:* minimum 2.5 GPA.

COMM-512 Social Documentary (3) (FM) (MS) Study of successful approaches to social action documentary, including museum display, development, conflict resolution, and advocacy. Students analyze case studies, learn economic and social context, and develop proposals for social documentary. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-513 Producing Film and Video (3) (FM) (MS) The business of fiction and nonfiction filmmaking with an emphasis on intellectual property/copyright, the development of a proposal, fundraising, marketing and distribution; practical work on scheduling, budgets and other production management topics such as unions and guilds, hiring a crew, releases, and music rights. Usually offered every term. *Prerequisite:* COMM-434 and COMM-382, or MGMT-301, or COMM-634 and COMM-682, and minimum 2.5 GPA.

COMM-514 Censorship and Media (3) (BJ, CS, PC, PJ) (MS) A survey of the history of censorship in the U.S. in the newspapers, magazines, radio, movies, publishing, and television. International comparisons are drawn, and the problem of censorship in the schools is given special attention. Usually offered every fall. *Prerequisite:* minimum 2.5 GPA.

COMM-515 Children, Youth, and Digital Culture (3) (BJ, CS, PC, PJ) (MS) Explores the roles that children, adolescents, and young adults are playing in contemporary media culture. Provides a historical overview of scholarship and policy debates over children and television, as well as technological, social, political, and economic forces that have shaped, and are shaping, the digital media system. *Prerequisite:* minimum 2.5 GPA.

COMM-516 Topics in Film and Media Arts (3) (BJ, CS, FM, PJ) (MS) Topics vary by section, may be repeated for credit with different topic. Rotating topics in the business, history, or analysis of film, photography, and digital media from a variety of perspectives. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-517 History of Cross-Cultural Cinema (3) (FM) (MS) Cross-cultural analysis of film and video, drawing primarily on examples of feature production from Asia, Latin America, Africa, and the Middle East and focusing on the theme of cultural and ethnic identity. Film and video viewings, papers, lectures, and discussion. *Prerequisite:* minimum 2.5 GPA.

COMM-520 History of Animation (3) (CS, FM) (MS) A survey of the history, theory, and practice of animating visual imagery from the pre-cinematic forms to the present day. Lectures, screenings, and discussion examine the evolution of the medium in America, Europe, and Asia in terms of technology, artistic trends and national culture. *Prerequisite:* minimum 2.5 GPA.

COMM-521 Opinion Writing (3) (BJ, PJ, PC) Students examine and write for various forms of opinion writing that may include blogs, vlogs, columns, editorials, social commentary, critical reviews, letters to the editor, and other forms of personal expression. The course attempts to cover all media platforms. Usually offered once a year. *Prerequisite:* junior standing, minimum 2.5 GPA, and permission of the school.

COMM-522 Writing and Editing for Convergent Media (3) (BJ, PJ) News writing and text editing for all platforms of digital journalism. The course covers text formats, breaking news, headlines, blurbs, writing for mobile, social media, search engine optimization (SEO) basics, blogs, and more. Usually offered every term. *Prerequisite:* COMM-320 or graduate standing, and permission of instructor for non-SOC students.

COMM-523 Fine Art Photography (3) (fall 2011: Intermediate Photography) A refinement of photographic skills emphasizing a synthesis of craft and expression. Students study the history and theory of fine art photography as well as learning how to use alternative processes as a mode of expression. Usually offered every term. *Prerequisite:* COMM-330 or COMM-630, and minimum 2.5 GPA.

COMM-524 Producing Environmental and Wildlife Films (3) (FM) This course focuses on the art of producing: being creative, selecting and researching issues, writing a film treatment, telling effective and fascinating stories, finding compelling characters, pitching powerfully, speaking effectively in public, marketing, distributing, conducting outreach, raising money, thinking ethically, and working with NGOs. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-525 Advanced Photography (3) (FM) May be repeated for credit, but not in the same term. Extensive individual projects, critiques, and professional guest speakers. In-depth exploration of specific themes and techniques based on the goals of each student, and leading toward a professional-level portfolio. *Prerequisite:* COMM-523, permission of the school, and minimum 2.5 GPA.

COMM-526 Photojournalism and Social Documentary (3) (FM) Course teaches basics of visual language and how it is used and manifested in the craft of photojournalism. Students learn the importance and power of visual image in communicating ideas and information. They develop understanding of photojournalism as a craft unto itself or as part of a progression toward video and film. *Prerequisite:* COMM-330/630 and minimum 2.5 GPA, or permission of instructor.

COMM-527 History of Photography (3) (CS, FM) (MS) A survey of the development of photographic imagery from its advent in the early nineteenth century through contemporary twentieth century work. Emphasis is on viewing work in Washington galleries and museums. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-528 Community Documentary: Stories of Transformation (3) Using new media tools, students learn the methods and production of a four-minute autobiographical digital story, first by creating their own and then assisting community members. These first-person video narratives can be used in public meetings, on websites, etc. to build and mobilize communities, and empower the storytellers themselves. Usually offered every fall. *Prerequisite:* COMM-434 or COMM-634, and permission of department.

COMM-529 Large Format and Commercial Photography (3) (FM) May be repeated for credit but not within the same term. A professional skills course which introduces the 4x5 view camera and studio electronic flash. Both sections are integrated and explore the unique characteristics of the equipment through extensive technical and shooting assignments. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA and COMM-330/630 or permission of instructor.

COMM-531 Political Communication (3) (CS, PC) (MS) Examines the role of communication in politics and advocacy and applies public communication principles to advocacy and political campaigns. Includes the role of media relations in politics, the impact of television on political discourse, political message development, political advertising, ethics in political persuasion, and the impact of political communication on our democratic institutions, as well as how to interpret public opinion, identify and reach constituencies, and develop political communication strategies. *Prerequisite:* minimum 2.5 GPA.

COMM-533 Ethics in Strategic Communication (3) (PC) Provides students with an ethical context for the practice of public communication and a concept of the ethical issues surrounding the activities of the practitioner. Students have the opportunity to investigate America's value system, the values of American public relations and the relationship between public relations, the media, and business. *Prerequisite:* junior, senior, or graduate standing, and minimum 2.5 GPA.

COMM-534 Race and Gender in Communication and Media (3) (CS, PC) (MS) This course challenges students to develop critical skills in examining and analyzing the role of race and gender in the production, distribution and consumption of the American mass media. Students study these powerful institutions and their role in creating, reproducing and reinforcing racism and sexism. Focuses on media content and considers other social constructions including ethnicity, class, religion and sexual orientation. *Prerequisite:* minimum 2.5 GPA.

COMM-535 Special Topics in News Media (3) (BJ, CS, PJ) Topics vary by section, may be repeated for credit with different topic. Rotating topics in the analysis and working methods of specialized areas of the news media. *Prerequisite:* minimum 2.5 GPA.

COMM-536 Entertainment Communication (3) (PC) This course examines the implications and practice of strategic communication in the U.S. entertainment industry, including TV, digital, music, film, and live arts. It also explores the theoretical foundations that explain the impact of entertainment on U.S. culture and audiences. Usually offered every spring. *Prerequisite:* COMM-301 or COMM-640, and minimum 2.5 GPA, and junior, senior, or graduate standing.

COMM-537 Sports Communication (3) (PC) Examines the role of public relations and mass media in sports communication. The role of sports in American society and how publicists, agents, and sports marketers perform their jobs at all levels of sports. Hands-on training in the tools and technology of sports PR is combined with an analysis of the public's relationship with athletes and sports. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-538 Contemporary Media Issues (3) (BJ, PJ) (MS) Examination of investigative reporting, the "new journalism" and other controversial developments affecting the news media. Assessment of how well the press informs the public. Usually offered every fall. *Prerequisite:* minimum 2.5 GPA.

COMM-539 International Public Communication (3) (PC) The forces of globalization have created a necessity and opportunity for international PR programs. Given the newness of truly international programs, prospective practitioners must gain expertise in cultural sensitivity, knowledge of business cultures, and realistic expectations. The course covers global firms, local agencies, case studies, and PR practices around the world. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-540 Social Marketing (3) (PC) This course explores the principles of social marketing, which is the systematic application of marketing and strategic communication principles to achieve human behavior change toward a social purpose or social good. Students study consumer research techniques and definitions of social marketing, and analyze social marketing and strategic communication campaigns. *Prerequisite:* minimum 2.5 GPA and junior, senior, or graduate standing.

COMM-541 Crisis Communication (3) (PC) This course examines the nature of issue and crisis management from the strategic communication perspective. Students study various issues, risk and crisis situations, as well as the current literature on strategic issue, risk, and crisis communication methods. Students develop a crisis communication plan for a chosen organization. *Prerequisite:* COMM-301 or COMM-640, or permission of school, and minimum 2.5 GPA.

COMM-542 Media Relations (3) (PC) This course focuses on the principles and practices of media relations, the vital link between public relations and journalism. The material covers the symbiotic link between journalists and PR professionals, providing the latter with the theory and practical skills necessary to become ethical and effective practitioners in an era of digital convergence. *Prerequisite:* COMM-301 or COMM-640, or permission of school, and minimum 2.5 GPA.

COMM-543 Speechwriting (3) (PC) Speechwriting plays a central role in politics, business, and organizations whose leaders speak often. It is also important for careers that require public speaking, such as law and marketing. In this course students analyze different types of speeches, study effective speechwriting methods, write speeches, and learn how to craft sound bytes and applause lines, use humor and anecdote, and persuade through words. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA and junior, senior, or graduate standing.

COMM-544 Foreign Correspondence (3) (MS) This course prepares students to work as journalists, photographers, documentary makers, and social media producers in foreign countries and provides research skills and training applicable in business, non-profit, non-governmental organizations as well. It examines the structure/process of news/information gathering and journalistic standards. Students build a "Trip File" with analysis and story ideas to execute overseas. *Prerequisite:* minimum 2.5 GPA.

COMM-545 Business and Economic Journalism (3) (PJ) Current economic and business issues and their coverage by the news media. The performance of the media in providing the necessary depth of business and economic reporting. How journalists can improve their knowledge and skills. Usually offered every spring. *Prerequisite:* permission of the school and minimum 2.5 GPA.

COMM-546 Foreign Policy and the Press (3) (BJ, PJ) (MS) The role of the American news media in the coverage of foreign policy issues. Philosophical issues include whether freedom of the press is adequately exercised in the foreign policy field and whether the national media sometimes serve as propagandists for the United States government. Students should be prepared to engage in adversarial debates over key issues. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-548 Global Journalism: Issues and Trends in the Twenty-First Century (3) (BJ, CS, PJ) (MS) The critical issues facing journalists and the news media on a global scale. Examines diversity of international news media and focuses on trends such as the power and influence of global media moguls, the threats of violence and detention that confront journalists around the world, and the role of the news media in the process of political change. *Prerequisite:* minimum 2.5 GPA.

COMM-551 Grassroots Digital Advocacy (3) (PC) This course examines advocacy communication campaigns that use digital strategies and techniques. Students explore how social media, mobile technology, and online activist tools raise awareness for causes, candidates, and issues; analyze campaigns within the context of digital communication theories; and consider the impact of technology on grassroots advocacy. *Prerequisite:* minimum 2.5 GPA.

COMM-552 Social Media Strategies and Tactics (3) (PC) This course focuses on understanding how organizations, including corporations, nonprofits, and the government employ digital strategic communications in their public relations outreach. Search engine marketing, mobile communications, and viral campaigns are examined. The course features case studies, use of social media tools, and experts in social media from various fields. Usually offered every term. *Prerequisite:* COMM-301 or COMM-640 with junior, senior or graduate standing, and minimum 2.5 GPA.

COMM-553 Web and Mobile Development (3) This course gives students an overview of the theoretical structures behind informational design for the Internet and of web development using code and development tools. Students learn basic HTML programming and static site development and how the skills can be applied as a communication medium, as well as how to create their own online content and web site. Usually offered every term. *Prerequisite:* COMM-105 or COMM-301 or COMM-305 or COMM-631 and minimum 2.5 GPA.

COMM-554 Motion Graphics and Effects II (3) This course is a continuation of COMM-454/654 Motion Graphics and Effects I and a working knowledge of basic still and motion compositing programs is assumed. Through the discussion of theory, concepts, techniques, protocols, and hands-on projects, students improve their design, compositing, and animation craft. Hands-on work enables students to become proficient in intermediate compositing and animating skills and in current software and concepts used for cutting-edge motion graphics and compositing in motion pictures, television, commercials, and music video. Examples of outside work are presented and analyzed in class. Additionally, students rely on the individual and collective imagination and creativity of the class to complete their work. Usually offered every spring. *Prerequisite:* COMM-454 or COMM-654.

COMM-555 Techniques and Aesthetics of Editing (3) This course surveys the techniques and aesthetics used in fiction, documentary, and experimental film and video, including Soviet montage, classical Hollywood style, discontinuity, associational, spatial montage, and contemporary narrative. Through a series of exercises, students develop editing strategies for both narrative and non-narrative work. Students receive in-class and written critiques examining the development of each editing exercise. Students edit the final project using their choice of editing strategies covered in the course. Projects develop with increasing complexity and enable students to apply their ideas about editing to the material in order to develop their own style and aesthetic. Usually offered every fall. *Prerequisite:* COMM-434 or COMM-634.

COMM-556 Cross Cultural Film and Video Production (3) (FM) In this interdisciplinary course students improve filmmaking skills including pre-production, camera operation, lighting, sound design, direction, and digital non-linear editing, as well as their ability to work with other cultures. Students work in small production teams and with students at Tecnológico de Monterrey in Mexico and other universities to produce documentaries of cultural, social, environmental, or political interest. Students have the opportunity to travel to Mexico, Costa Rica, and other locations as part of international production teams. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA and senior or graduate standing.

COMM-557 Art of Visual Storytelling: From Concept to Storyboards (3) (FM) This course offers students a comprehensive approach to envisioning and communicating visual stories through a variety of techniques, from conceptual presentations to storyboards, to enhance students' preproduction skills in film, video, and media arts. The course focuses on building skills for visual media pitches, concept approval, film and video production, blocking shots, directing, envisioning re-creations, and adapting creative works to visual media. The course is geared to those working with narrative films, documentaries, historical re-creations, commercials, public service announcements, and other forms of visual storytelling. Some background in film and media arts terminology is recommended, but art and design skills are not required. *Prerequisite:* minimum 2.5 GPA.

COMM-558 Survey of American Cinema (3) (CS, FM) (MS) Origins and historical development of American cinema, specifically the theatrical feature-length fiction film from the nineteenth century to 1970. Hollywood films as mythic representations of the way Americans viewed themselves. Films are screened, discussed, and criticized. Screenings are scheduled in addition to class sessions. Usually offered every fall. *Prerequisite:* minimum 2.5 GPA.

COMM-560 Backpack Documentary (3) (FM) This course reflects the transformation in visual storytelling made possible by technological advances. It is built on the premise that a properly trained practitioner can tell powerful character-driven stories using hand-held cameras for more intimate, more immediate communication than with conventional camera and crew. It includes the tools and techniques used by journalists and documentary filmmakers for effective backpack journalism. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-561 Advanced Writing for Film (3) (FM) May be repeated for credit but not in the same term. Emphasizes fiction film scriptwriting. Students are expected to write a feature-length screenplay during the course of the semester, with attention to structure, character development, visual storytelling, dialogue, and theme. Students also read and review professionally-written screenplays. The workshop format includes lectures, discussions, guest speakers, and critiques of student work. Usually offered every fall. *Prerequisite:* COMM-382 or COMM-682 or permission of department, and minimum 2.5 GPA.

COMM-562 Advanced Writing for Television (3) (FM) May be repeated for credit but not in the same term. A workshop that simulates the collaboration experience of a studio writing staff. Students learn to pitch and develop stories for ongoing prime-time shows while polishing skills in story development and characterization. A portfolio-quality "spec" script is the end product. Usually offered every fall. *Prerequisite:* COMM-382 or COMM-682 or permission of department, and minimum 2.5 GPA.

COMM-564 Documentary Storytelling for Social Change (3) Teams of anthropology and communication students produce media projects of direct use to nonprofit, community, and social justice organizations to capture the narratives of underrepresented people in their own words to address pressing issues of health, the environment, housing, education, and hunger. Usually offered every spring. *Prerequisite:* permission of instructor.

COMM-565 Advanced Visual Media Portfolio (3) (FM) May be repeated for credit, but not in the same term (graduate students only). Students pursue in-depth visual media projects for their professional portfolios. The course is multi-visual media; students may work in still, moving, or digital image, or any combination of media in which they are proficient. This course serves as a senior thesis project for undergraduate students. Most class participants produce two projects during the semester. Group critiques are required. Usually offered every spring. *Prerequisite:* COMM-454, COMM-456 or COMM-486 or COMM-523 or COMM-654, COMM-656 or COMM-686, and film and media arts major or admission to graduate film program, and minimum 2.5 GPA.

COMM-566 Practice of Environmentalism: Policy, Science, and Communication (3) (FM) This course brings together students and faculty in environmental science, international politics, and media production to forge an interdisciplinary approach to the study of environmental action. Students learn field research methods, policy analysis, and documentary communication techniques. Each student, as part of an interdisciplinary team, produces a major media project focusing on a particular environmental challenge. Students also participate in a mandatory summer field component in the Galapagos or Alaska to explore firsthand the challenges of promoting ecological sustainability in these unique regions. *Prerequisite:* permission of school, application required.

COMM-567 Communication and Social Change (3) (BJ, PJ, PC, FM) An intensive, hands-on course for film and media arts, journalism, and public communication students to develop a social issue media campaign. The primary goal of the class is the production of various forms of communication media to address a major social issue. *Prerequisite:* COMM-301 or COMM-320 or COMM-331/631 or COMM-640 or COMM-724, and minimum 2.5 GPA.

COMM-568 Environmental and Wildlife Film Production (3) (FM) In this course filmmakers write, produce, shoot, and edit a 30-minute program for Maryland Public TV and other PBS stations around the Chesapeake Bay. Students gain an understanding of what it takes to produce a professional, entertaining documentary for television that is ethically sound and educationally powerful. *Prerequisite:* COMM-434/634 or COMM-436/636, and minimum 2.5 GPA.

COMM-569 Executive Suite (3) (PC, FM) (MS) A survey of the upper echelon management of the entertainment, public relations, new media, and related fields. The course looks at decisions and decision makers who determine what media consumers view, read, and buy. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA.

COMM-570 Film and Digital Media Institute (1-6) (FM) Topics vary by section, may be repeated for credit with different topic. Current practices and trends in the film, video, and television professions. Offered on weekends and evenings during the summer, the institute schedule allows students to select courses in film and video production, direction, writing, design, and management, post-production editing, and other related fields. Small classes and active participation are stressed. Usually offered every summer.

COMM-573 Visual Strategies in Public Relations (3) (PC) In this course students develop critical analytical skills related to graphics and design with the goal of using images and visuals in strategic communication campaigns and understanding how images communicate. They also learn the visual approaches and techniques used by designers to enhance message exposure, awareness, and behavioral change in products such as newsletters, brochures, posters, press kits, and web sites. Usually offered every term. *Prerequisite:* SOC major and junior, senior or graduate standing, or permission of school.

COMM-574 The Business of Television (3) (FM) This course gives students a macro look at the prime-time network and cable television business and investigates the various players in the business, including studios, networks, producers, agents, and advertisers. It examines the different roles and relationships in the development and production of television programming, including what makes a good idea for a television series; the role of the studios; the various economic models; the "showrunner" or executive producer; how an agent works; why advertisers are so important; what the ratings mean; and the future of television. Usually offered every fall.

COMM-575 Advanced Writing for Documentary Film (3) (FM) This course emphasizes writing for documentary film, through all phases and for a wide range of documentary genres and styles. Students examine case studies, screen and discuss films, and explore the writing process from idea to treatment, from shooting script to final script. A series of shorter assignments culminates in each student writing a half-hour original documentary script. Guest speakers share their experience with the class. Usually offered every spring. *Prerequisite:* COMM-325, COMM-337, COMM-382/682, COMM-385, or LIT-402.

COMM-580 Strategic Health Communication (3) People learn more about health from the media than from their doctors, friends or family. But who decides what makes health "news"? Through the use of case studies, in-class discussions, guest speakers, and hands-on multimedia projects, this course provides the skills for communicating health messages. Usually offered every spring. *Prerequisite:* junior, senior, or graduate standing, and minimum 2.5 GPA.

COMM-584 Film Technology and Practice (6) (FM) Part of the AU Abroad Semester in Prague. Introduction to concepts in visual communication through the use of still picture, Hi-8 video, and 16mm non-sync sound film in color. Camera technology, exponents, studio lighting, editing and sound recording, accompanied by analytical screenings and site visits to labs, with a series of sessions with supervising directors, and script consultations. Students edit work-print and magnetic sound on final films. Usually offered every term. *Prerequisite:* COMM-330 or COMM-630, COMM-331 or COMM-631, admission to Prague Semester program, and minimum 2.5 GPA. *Note:* May substitute for required courses COMM-331 or COMM-434 for undergraduate film and media arts majors.

COMM-585 Directing (3) (FM) Part of the AU Abroad Semester in Prague. Introduces students to the field of film directing through a series of seminars with the most important film directors in the Czechlands. The roots of film as art, casting, choosing a crew, directing for dramaturgical impact, large scenes and extras, the doc-

umentary and avant-garde, use of sound and counterpoint, directing the short film and problems of inspiration. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-586 History of Czech Cinema (3) (FM) (MS) Part of the AU Abroad Semester in Prague. Through viewing and lectures by some of the most important films and filmmakers in the Czechlands, the course covers the areas of film history most notable to the development of film language in Bohemia: the influences of realism and neorealism, the Czech New Wave and its aftermath, the avant-garde, the animated film, the FAMU Film School Phenomenon, and the short film. Usually offered every term. *Prerequisite:* minimum 2.5 GPA.

COMM-587 Screenwriting (3) (FM) Part of the AU Abroad Semester in Prague. In this writing workshop students are given assignments to write scenes and scripts for short films and analyze films and scenes to learn the basis of dramatic principles, story patterns and genres. The final project is a script for a short film. Usually offered every term. *Note:* May substitute for required course COMM-382 for film and media arts majors. *Prerequisite:* minimum 2.5 GPA.

COMM-588 Race, Ethnic, and Community Reporting (3) This course prepares students to report, write, and produce multimedia stories about increasingly diverse populations involving race and ethnicity at the local level. Students study race in the media, including cultural bias, and approaches to non-mainstream communities, and then apply those concepts by creating multimedia profiles of Washington, D.C., area neighborhoods. Usually offered every term. *Prerequisite:* COMM-320 or graduate journalism student.

COMM-589 Sustainability Communication (3) (PC) Research and principles that inform public communication about science, technology, and the environment. Course topics and case studies include climate change, energy, stem cell research, food biotechnology, the environmental movement, science and religion, evolution, animal welfare, genetic medicine, pharmaceutical marketing, and nanotechnology. Usually offered every spring. *Prerequisite:* minimum 2.5 GPA and junior, senior, or graduate standing.

COMM-590 Independent Reading Course in Communication (1-6) *Prerequisite:* minimum 2.5 GPA and permission of instructor and division director.

Graduate Courses

Note: When 400- and 600-level courses meet together, graduate-level assignments and higher expectations regarding performance are required of students at the 600 level.

COMM-050 Boot Camp for Journalists (0) This non-credit course introduces students to the MA in Journalism program, to Washington, D.C., and to basic digital skill sets. The intense schedule focuses on information gathering, writing, reporting and producing for a variety of media platforms. Emphasis is on fundamentals of critical thinking news judgment, interviewing, ethics and verification - all against a backdrop of a changing media industry. Usually offered every summer. *Prerequisite:* admission to the graduate journalism program.

COMM-601 Communication Law (3) Practical introduction to the U.S. legal system and to laws, regulations, and current cases involving media. Includes a broad understanding of libel, copyright, advertising regulation and First Amendment protections across traditional and emerging media platforms. Introduction to legal writing and research, reasoning and analytic skills. Usually offered every term. *Prerequisite:* admission to graduate journalism, film, or international media program or permission of school.

COMM-602 Digital Media Literacy and Skills (3) This course serves as an introduction to the basic aesthetic, theoretical, and technical aspects of graphics for digital media. Using Adobe Photoshop and Illustrator as the primary software programs, the course challenges students to create effective visual communication designs. Online lectures and assignments introduce students to basic Photoshop techniques. *Prerequisite:* admission to digital media certificate program or permission of program director.

COMM-603 Web Development (3) Students learn an overview of the theoretical structures behind informational design for the Internet. In addition, they learn basic HTML programming and static site development, as well as how the skills can be applied as a communication medium. This course provides students with an overview of web development using code and development tools. Students create their own online content and website. *Prerequisite:* COMM-602 or permission of program director.

COMM-604 Dynamic Content (3) In this course students learn about creating, publishing, modifying, and maintaining a blog as a dynamic publishing platform. The class uses XHTML and CSS knowledge to create, edit, and customize a blog focused on an area of interest. *Prerequisite:* COMM-603.

COMM-605 Video for Social Media (3) Students learn the theory and impact of digital media as a communication tool. Students also learn and apply video skills for a variety of platforms, including web and mobile phones. *Prerequisite:* COMM-604 or permission of program director.

COMM-606 Capstone: Digital Media Project (3) Students work on a short digital media project and website and create a portfolio. *Prerequisite:* COMM-605.

COMM-607 International Investigative Reporting (3) This course dives into the history and trends in international investigative journalism, where journalists are uncovering government and corporate corruption, human rights abuses, environmental degradation, and threats to health and safety. Students learn investigative techniques and complete a semester-long project. Usually offered every fall. May be taken A-F only. *Prerequisite:* admission to the graduate journalism program.

COMM-621 Online News Production I (3) Writing and editing the online news publication, The American Observer. In this live lab, students learn basic storytelling, copyediting skills and AP style, headline writing, good news judgment, story and visual selection, producing multimedia stories, includes discussion of legal and ethical issues and trends in news coverage and audiences. *Prerequisite:* permission of school.

COMM-623 Computer Techniques for Communication Professionals (3) Provides training in computer skills and social and ethical analysis of new mass communication technologies. Includes hands-on training and rigorous examination of the social and political impact of new media technologies. Course covers use of Internet and other online resources, basic use of bibliographic and statistical databases in the news business, and examination of the impact of computers and broadband technologies on mass communication and society at large. Usually offered every spring. *Prerequisite:* permission of school.

COMM-624 Boot Camp for Journalists (3) This course introduces students to the MA in Journalism program, to Washington, D.C., and to basic digital skill sets. The intense schedule focuses on information gathering, writing, reporting and producing for a variety of media platforms. Emphasis is on fundamentals of critical thinking news judgment, interviewing, ethics and verification - all against a backdrop of a changing media industry. Usually offered every summer. *Prerequisite:* permission of instructor.

COMM-625 Seminar in Media Entrepreneurship (3) This course explores how new ventures and established media/communication companies have been successful in the digital environment. The course equips students with the tools of media entrepreneurship focusing on ideation, monetization, competitive scan, and the beginning of a business plan. Usually offered every fall. *Prerequisite:* admission to MA in Media Entrepreneurship or weekend MA in Communication: Journalism and Public Affairs program or permission of program director.

COMM-626 Media Technology Management (3) Entrepreneurial success requires a grasp of the basics of technology behind multiple digital platforms. For students who want to run a media startup or lead innovation at their media-related company, this course is a broad survey of how to manage communication technology. Topics include managing budgets, vendors, workflow, hardware, software, and production. Usually offered every summer. *Prerequisite:* admission to MA in Media Entrepreneurship or permission of program director and instructor.

COMM-627 Capstone: Media Entrepreneurship (3) In a lab-like environment, MA in Media Entrepreneurship students develop a final project and/or proposal with the goal of presenting it to a panel of potential investors or industry leaders. Students drill down on the final steps of their projects in class sessions with experts in funding, resource technology, and presentation. Usually offered every spring. *Prerequisite:* admission to MA in Media Entrepreneurship.

COMM-628 Proseminar in Political Communication (1) This introduction to political communication examines the role of communication in politics and the interplay of news, politics, advocacy, and public policy. The course provides students with the opportunity to process, analyze, and discuss current events through a political communication prism. Usually offered every fall. May be taken pass/fail only. *Prerequisite:* admission to the MA in Political Communication.

COMM-629 Capstone in Political Communication (3) This seminar is the culmination of the MA in Political Communication and provides support for the required capstone project. This project involves development of an original question, critical thinking, and extensive research and analysis leading to a logical and defensible conclusion and/or recommendations for further study. Usually offered every spring. *Prerequisite:* admission to the MA in Political Communication, completion of the research methods course and at least 27 credits hours, or permission of instructor.

COMM-630 Principles of Photography (3) Introduction to basic technical and aesthetic principles of black and white photography, from learning how to operate 35mm film and digital SLR cameras, to processing and developing film, and printing both in the darkroom and digitally. Usually offered every term. *Prerequisite:* permission of school.

COMM-631 Film and Video Production I (4) Fundamental technical and aesthetic considerations involved in visual media production. Through projects in audiotape, 35mm slides, and small format video that are critiqued in class, students learn the principles and procedures of sound recording and editing, cinematography, editing visual images, and preproduction planning. Usually offered every term. *Prerequisite:* admission to graduate film program.

COMM-632 Backpack Video Journalism (3) Instruction in shooting, editing, and producing of video stories; merging of script, video, and graphics into the final product. Working alone or in small teams, students learn to use digital cameras, microphones, lights, tripods, field shooting techniques, and nonlinear editing. Students produce a video résumé reel as a capstone project. Usually offered every spring. *Prerequisite:* admission to graduate journalism program.

COMM-633 Broadcast Delivery (3) The effective delivery of news on radio and television. Examination and analysis of individual student problems with extensive practice sessions to solve them. Meets with COMM-433. Usually offered every spring. *Prerequisite:* COMM-721.

COMM-634 Film and Video Production II (4) Includes 16mm silent and small-format video location production. Emphasis is on planning, treatment and shot scripting, development of scene and character, location lighting, refinements of continuity, location sound recording, and visual design. Meets with COMM-434. Usually offered every term. *Prerequisite:* admission to graduate film program.

COMM-635 Introduction to Studio Television (3) A hands-on laboratory course to teach basic studio operation and production skills, including the production roles of director, technical director, audio engineer, teleprompter operator, floor manager, and camera operator as well as original production planning. The class stresses teamwork and professionalism through participation in the creation of an original short television series. Meets with COMM-635. Usually offered every term. *Prerequisite:* admission to graduate film program.

COMM-636 Washington Reporting (3) Field coverage of people, organizations, and events in the Washington area concerned with domestic or international affairs. In-depth story development, feature writing, and editing. Usually offered every spring and summer. *Prerequisite:* permission of school.

COMM-637 Multimedia Storytelling (3) This course teaches writing, reporting, and editing stories for both audio and video platforms and integration with content management systems. Audio styles range from commercial radio to NPR, video reports include both narrative and non-narrative assignments. Students also learn non-linear audio and video editing. Usually offered every fall. May be taken A-F only. *Prerequisite:* admission to graduate journalism program.

COMM-638 Production Practicum (1-3) Topics vary by section, may be repeated for credit with different topic. Provides students with skills training in a variety of media production areas. Topics include non-linear editing, digital post production, location sound production, studio sound production and mixing, location lighting techniques, cinematography, digital authoring, and coding.

COMM-640 Principles of Strategic Communication (3) Examines the strategic elements of public communication strategies with focus on communication campaigns, public opinion, the media, the role of research, audience identification, message development, and communicating to various publics. Explores the role of strategic communication in society, politics, culture, business and various other institutions, and examines the ethics of persuasion. Usually offered every fall. *Prerequisite:* admission to MA in Strategic Communication or Political Communication.

COMM-642 Strategic Communication Management (3) (fall 2013: Public Communication Management) Provides practical and theoretical experience in strategically planning and managing the public relations process. Conceptual and analytical skills include understanding the management of people, resources and organizational processes. Includes leadership skills, budget and proposal development, decision making, ethical and organizational considerations, and managing in culturally diverse environments. Usually offered every spring. *Prerequisite:* admission to MA in Strategic Communication.

COMM-644 Writing for Strategic Communication (3) This course explores the relationship between audience, message structure, and medium through strategic writing. Students develop skills in drafting, editing, and polishing of strategic communication writing products, including plans, news releases, speeches, social media, opinion pieces, and short video treatments/scripts. Includes an emphasis on deadline writing and editing skills. Usually offered every fall. *Prerequisite:* admission to MA in Strategic Communication or International Media or Political Communication.

COMM-646 Strategic Communication Practicum (3) Applies the principles and skills from other strategic public communication courses to practical case study experiences. As the culminating skills component of the graduate program, students produce a professional portfolio for a client that may include media promotional items, broadcast applications, direct mail and web-based products, as well as newspaper, newsletter, magazine materials and other communication products. Usually offered every spring. *Prerequisite:* admission to MA in Strategic Communication.

COMM-648 Topics in International Media (3) Topics vary by section, may be repeated for credit with different topic. In-depth analysis of regions or countries and their media systems with emphasis on regional issues regarding the evolution of the media and its interaction with culture and politics.

COMM-650 Digital Imaging (3) An introduction to the technical aspects of digital imaging and basic techniques such as selection and retouching tools that challenges students to create effective visual communication designs. The course includes how to effectively use layers, channels, and masks to edit and composite images with discussions focusing on creating and recognizing effective visual communication concepts and carrying out these concepts through design. Students should expect to spend additional time in the lab outside of the scheduled class time. Usually offered every term. *Prerequisite:* previous computer experience.

COMM-652 Web Studio (3) In this course students learn how to construct a web site from the ground up, including site planning, basic HTML code, graphics creation, optimization, and publishing. Graphic development tools are used to turn ideas into fully functional web sites. Students also study the web site development process and how to build and assess site usability. *Prerequisite:* previous computer experience.

COMM-654 Motion Graphics and Effects I (3) This course focuses on the creation of motion graphics using animation and compositing programs. Through discussions of concepts and design, students learn techniques to creatively use software tools to achieve dramatic and artistic effects. Current software and concepts used for cutting edge motion graphics and compositing in motion pictures, television, commercials, and music videos are introduced and examples of outside work are presented and analyzed in class. Students are encouraged to learn from each other's examples, problems, and solutions. Students should expect to spend additional time in the lab outside of the scheduled class time. Meets with COMM-454. Usually offered every term. *Prerequisite:* COMM-650 or permission of school.

COMM-656 Dramatic Production (3) Techniques of 16mm sound-film production: lighting, sound recording, cinematography, and post production. Meets with COMM-456. Usually offered every term. *Prerequisite:* COMM-634, COMM-682, and admission to graduate film program.

COMM-659 International Film and TV Markets (3) This course introduces students to the complexities of the international film and TV markets, which are essential for the financial success of almost any film or television project. Issues explored include ownership of local media and the development of the local media infrastructure; co-productions between producers from different countries; marketing challenges resulting from religious, social, and cultural differences; the realities of censorship and media piracy, and more. Usually offered every fall. *Prerequisite:* admission to the MA in Producing for Film and Video, or permission of the program director.

COMM-660 Developing Fiction Productions (3) This course provides an understanding of the process behind the creation of independent fiction feature film projects. This includes obtaining the underlying idea or property, financing, distribution, and marketing of films for the major studios, mini-majors, and independent production companies. Students pitch original ideas and convert them into marketable projects. Usually offered every fall. *Prerequisite:* admission to the MA in Communication: Producing for Film and Video.

COMM-661 Developing Nonfiction Productions (3) The non-theatrical film, television, and video industries are multifaceted, dynamic, and enormously complex. This course teaches film and video producers how to finance and market their productions. The course examines different financing and cost recoupment mechanisms that programmers use in building their programming lineup. The focus is on contract production, co-production, and production acquisition as typical deal structures used by major programmers. Usually offered every spring. *Prerequisite:* admission to the MA in Communication: Producing for Film and Video.

COMM-662 Production Planning and Management (3) How to administer and manage both large and small productions through script breakdown, stripboarding, scheduling, budgeting, location shooting, and dealing with unions and talent agents. Discussion of the field as a career, and how to apply business-like approaches to motion pictures, television programs, and videotape documentaries. Usually offered every fall. *Prerequisite:* admission to the MA in Communication: Producing for Film and Video.

COMM-664 Directing for Camera (3) Examines the role of the director in fiction film. The course focuses on creative and aesthetic concerns as well as technical knowledge and skills the director needs to function successfully as a storyteller. There is emphasis on the collaborative relationship between the director and the actor. The course is designed as a director's laboratory where students are exposed to a variety of skills and approaches. The workshop format includes lectures, discussions, scene rehearsals, and critiques of student work. Meets with COMM-464. Usually offered every fall. *Prerequisite:* COMM-631 or COMM-635, COMM-682 and admission to graduate film program.

COMM-671 Media Enterprise I: Establishing the Enterprise (3) Provides the fundamental knowledge needed for film and video producers in the non-theatrical market operating as small business entrepreneurs. Establishing a media production company: creating a business plan, basic economics of the media business, finding investors and/or partners, ways of structuring the enterprise, finding and using legal and accounting services, decisions that affect basic overhead costs, taxes, accounting practices, and personnel considerations. Usually offered every spring.

COMM-682 Writing for Visual Media (3) Techniques of writing scripts for film and television productions. Students write and criticize assignments. No production is involved in this course. Usually offered every term. *Prerequisite:* admission to graduate film program.

COMM-686 Advanced Documentary Techniques (3) (FM) Designed to fine tune students' exposure to and practice in a variety of contemporary documentary techniques. Each student produces a final project, but during the semester works in teams on a variety of documentary genres, including observational, web docs, nonprofits, historical, narrated, and mockumentary. Meets with COMM-486. Usually offered every term. *Prerequisite:* COMM-634.

COMM-688 Media Writing (3) An intensive writing course providing an introduction to basic communication techniques for informing a mass audience. The course includes instruction and practice in newswriting and strategic communication for print, broadcast, and online media, emphasizing the practical application of how to write a fair and balanced news story, foster a cause, or persuade an audience. Also covers AP style, editing, and critiques. *Prerequisite:* admission to MA in International Media or permission of school.

COMM-690 Independent Study Project in Communication (1-6) *Prerequisite:* permission of instructor and division director.

COMM-691 Graduate Internship (3) Professional communication work in an off-campus organization appropriate to the student's academic program. *Prerequisite:* permission of division director.

COMM-701 Graduate Seminar in Film Theory and Practice (3) The seminar focuses on the development of film theory and criticism. The work of Arnheim, Eisenstein, Kracauer, Bazin, Mitry, and Metz are studied as primary sources. The relationship between theory and production is examined and applied to analysis of specific films. Usually offered every term. *Prerequisite:* permission of the school.

COMM-702 Master's Portfolio Capstone (1-6) Independent work toward project in lieu of thesis for students in the graduate film programs. Consult graduate program director for registration and participation requirements. Usually offered every term. *Prerequisite:* permission of the school.

COMM-704 Media, Technology, and Democracy (3) This is a foundation overview course focused on scholarship and analysis concerning the intersections of media, technology, and democracy. It also introduces other core courses and study concentrations for advanced study in these topics. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of instructor.

COMM-710 Seminar in Public Affairs (3) Current issues in the making of domestic, international, and economic public policy in Washington with emphasis on the role of the media. Includes a major reporting project. Usually offered every term. *Prerequisite:* admission to MA in Communication: Journalism and Public Affairs or International Media.

COMM-711 Teaching Seminar in Communication (3) Provides MFA and PhD candidates with an overview of teaching philosophies, course management issues, curriculum issues in communication, academic culture, and related institutions significant to the teaching of communication. Reading projects, class lecture, and discussion are balanced with teaching experience. Usually offered every spring.

COMM-716 Advanced Topics in Film and Media Arts (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in the production analysis of specialized areas of film and electronic media storytelling, such as screenwriting, directing, or advance editing techniques. Usually offered every term. *Prerequisite:* admission to the MA in Film and Video or MFA in Film and Electronic Media.

COMM-720 Capstone Seminar in Journalism (3) Examines ethical and economic issues affecting the media and initiates studies to add to the literature of media criticism. Students become acquainted with team journalism and in-depth writing projects focusing on media issues. Usually offered every spring. *Prerequisite:* COMM-724.

COMM-721 Digital Audio Production (3) Writing, reporting, interviewing, and digital editing of audio stories. The class emphasizes radio news production, including commercial and public radio style, and narrative and non-narrative storytelling. Students work under deadline, creating radio newscasts and/or podcasts, and build an online portfolio of audio, web stories, and audio-photo slideshows. Usually offered every fall. *Prerequisite:* admission to graduate journalism program or permission of school.

COMM-722 Advanced Television and Video Production (3) Producing, writing, reporting, and non-linear editing of television newscasts and other television news magazine formats. Field reporting and line producing daily newscasts under deadline. Live production for television and post-production for digital platforms. News topics include local, national, and international news as well as health, sports, entertainment and weather. Usually offered every spring. *Prerequisite:* COMM-721 or permission of school.

COMM-724 Reporting of Public Affairs (3) Professional training in news gathering, writing, interviewing, producing, and editing on-deadline news stories, with a focus on and in Washington, D.C., and emphasis on coverage of domestic and international issues. Students develop research and ethical reporting skills for in-depth assignments across media platforms, learning the mission of journalism in democracy. Usually offered every fall. *Prerequisite:* admission to graduate journalism program or permission of school.

COMM-725 In-depth Broadcast Production Capstone (3) In this course students demonstrate advanced writing, videography, and editing skills by creating an in-depth video project. They demonstrate an understanding of reporting and producing that highlights research and multimedia storytelling skills, and adept use of long-form journalism techniques. Usually offered every summer. May be taken A-F only. *Prerequisite:* COMM-632 and COMM-722, or permission of program director.

COMM-735 Communication Theory (3) Survey of relevant theories of public communication, including theories of interpersonal communication, persuasion, public relations, public opinion, mass communication and media studies. Also includes theories of research methodologies and their application to public communication practices. Usually offered every fall. *Prerequisite:* admission to MA in Strategic Communication or International Media or Political Communication.

COMM-738 Research for Strategic Communication (3) This course is an introduction to quantitative and qualitative research methods in communication. Students use research for program management, planning, diagnosing, and evaluating public relations programs. Includes development of theoretical rationales and research questions; measurement; sampling; survey and experimental design, content analysis, focus groups and in-depth interviews, data analysis techniques, interpretation of results, and emerging trends in research. Usually offered every fall. *Prerequisite:* admission to MA in Strategic Communication or International Media or Political Communication.

COMM-744 Strategic Communication Capstone (3) The capstone project employs what students have learned about the processes and effects of public communication by developing and supporting a thesis statement, advancing an idea, researching, and writing or creating their final product. Students are advised to gear their scholarly, creative, or journalistic work for publication or professional presentation. Usually offered every spring. *Prerequisite:* COMM-735 and COMM-738 and admission to MA in Strategic Communication.

COMM-747 AU-FAMU Exchange Program (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at the Film and TV School of the Academy of Performing Arts (FAMU), Prague, Czech Republic. *Prerequisite:* permission of school.

COMM-750 Advanced Media Theory (3) This course examines a range of theories for explaining the complex interrelationships among media, technology, human behavior, social interaction, and democratic processes. It provides an in-depth comparative analysis of theoretical approaches from a variety of academic fields including mass communication, cultural studies, film criticism, and digital media. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of instructor.

COMM-751 Advanced Media Research Methods (3) This course covers major social scientific, historical, ethnographic, qualitative, and critical approaches to media research, including discussions of epistemology, conceptualization, measurement, and ethics. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of instructor.

COMM-754 Media Law and Policy (3) This course equips students with a strong grounding in U.S. laws, policies, and regulatory infrastructure. It analyzes how public debates and political struggles over policy issues have shaped the culture, structure, and operations of contemporary U.S. media industries and institutions. Usually offered every spring. *Prerequisite:* admission to PhD program or permission of instructor.

COMM-795 Capstone Seminar in International Media (3) This capstone for School of Communication students in the MA in International Media is the culmination of the program and provides support for the production of the capstone project, which involves the conceptualization, development, research, and writing of a substantial original research paper on an international media-related topic. Usually offered every spring. *Prerequisite:* COMM-738 or permission of instructor.

COMM-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* permission of the school.

COMM-799 Doctoral Dissertation Seminar (1-12)

COMM-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

COMM-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Computer Science

Undergraduate Courses

CSC-100 Computers and Information (3) A first course for studying computers and information. Provides a foundation for using computers in other courses and curricula for research, communication, and writing. Hands-on experience in productivity enhancement, software, hardware, systems development, uses of the Internet and World Wide Web, and future directions and trends for computers and information. Usually offered every term. *Note:* This course is not intended for Computer Science majors.

CSC-280 Introduction to Computer Science I (4) Problem solving and algorithm development. Structured programming, basic data types, and canonical structures; arrays and subprograms; recursion. Social implications of computing. Elementary applications from business and science. Usually offered every term. *Prerequisite:* familiarity with using files, e-mail, and the World Wide Web.

CSC-281 Introduction to Computer Science II (3) Continuation of problem solving and object-oriented programming. Emphasis on larger programs built from modules. Introduction to abstract data structures: stacks, queues, graphs, and trees and their implementations and associated algorithms. Elementary numerical methods. Usually offered every term. *Prerequisite:* CSC-280.

CSC-310 Introduction to Geographic Information Systems (3) A geographic information system (GIS) is a system of hardware, software, data, people, organizations, and institutional arrangements for collecting, storing, analyzing, and disseminating information about areas of the earth. This course provides an introduction to GIS, GIS software, and GIS applications. Usually offered every fall. *Prerequisite:* completion of the College Writing and Writing Proficiency Requirement, and familiarity with spreadsheets, e-mail, and the World Wide Web.

CSC-330 Organization of Computer Systems (4) Logical circuit design, integrated circuits and digital functions, data representation, register transfer operations and microprogramming, basic computer organization, the central processor, and arithmetic operations. *Prerequisite:* completion of the College Writing and Writing Proficiency Requirement and CSC-280.

CSC-350 Introduction to Discrete Structures (3) Introduction to mathematical subjects required in computer science, such as graphs, sets and relations, logic, and recurrence. *Prerequisite:* completion of the College Writing and Writing Proficiency Requirement, MATH-15x, and CSC-280.

CSC-360 Tools of Scientific Computing (3) Designed to teach scientific rigor in the use of computers and/or computational tools. Techniques from mathematics are introduced which lead to efficient algorithm design, algorithm analysis, data classification, data manipulation, and scientific computation. Includes data types, induction, recursion, sorting, searching, summation, optimization, asymptotic analysis, basic number theory, discrete probability, and parallel computing. Meets with MATH-360. Usually offered alternate falls. *Prerequisite:* CSC-280, CSC-281, MATH-221, and MATH-222.

CSC-390 Independent Reading Course (1-6) *Prerequisite:* permission of instructor and department chair.

CSC-432 Introduction to Simulation and Modeling (3) Design, implementation, and analysis of simulation models for dynamic continuous systems. Emphasis on continuous physical systems and analysis of their dynamic behavior from deterministic physical models. Overview of numerical integration algorithms in simulation. Introduction to difference equations and chaotic system behavior and simulation systems such as SIMULINK/MATLAB. *Prerequisite:* CSC-280, and MATH-211 or MATH-221.

CSC-435 Web Programming (3) This course presents and applies the web programming languages (HTML, DHTML, Javascript, Coldfusion), tools, and techniques used to develop professional web sites. The course moves step-by-step through the processes involved in planning, designing, launching, and maintaining successful web sites, with an emphasis on teamwork. *Prerequisite:* completion of the College Writing and Writing Proficiency and CSC-280.

CSC-490 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

CSC-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

CSC-493 Computer Science Capstone Project (3) May be repeated for credit. Students complete a semester-long design project related to one or more areas of computer science. The focus is on the design process, documentation, and project presentation. Topics related to the professional practice of computer science, including careers, ethics, technical writing, and speaking, and contemporary issues in computer science are also covered. Usually offered every term. *Prerequisite:* CSC-280, CSC-281, and one other CSC course at the 300-level or above.

Graduate and Advanced Undergraduate Courses

CSC-510 Legal Issues in Computing (3) Copyright, patent, contract, tort, antitrust, privacy, and telecommunications issues. *Prerequisite:* junior standing.

CSC-520 Algorithms and Data Structures (3) Design and analysis of efficient algorithms. Implementation and manipulation of data structures, including linked lists, stacks, queues, trees, and graphs. Memory management. Internal and external searching and sorting. Usually offered alternate falls. *Prerequisite:* CSC-281.

CSC-521 Design and Organization of Programming Languages (3) Study of desirable features and specifications of programming languages by investigation of data types, control structures, data flow, and run-time behavior of several languages, such as Prolog, Smalltalk, LISP, Ada, etc. At least one non-procedural language is studied in detail. Elements of compiling and interpreting. *Prerequisite:* CSC-281.

CSC-535 User Interface Analysis and Design (3) This course provides the technical aspects of web application development, as well as the conceptual issues that affect this technology. Students develop an independent web-based project based on available authoring tools.

CSC-540 Computer System Organization and Programming (3) Investigation of the structure of a modern computing system. Alternative computer organizations are discussed so that students may appreciate the range of possible design choices. Assembly, linking, and loading are presented in detail. The relation between system software and computer organization is discussed.

CSC-543 Object-Oriented Analysis and Design (3) A study of object-oriented concepts and their use in systems development. This course analyzes abstractions called objects and develops analysis-level models of systems using objects. The properties of these object models are discussed and methods for systematic development of the models are studied. The translations of the analysis-level models into system design is performed to understand how systems can be realized in software implementations.

CSC-544 Object-Oriented Programming (3) Advanced use of an object-oriented programming language in the implementation of object-oriented systems. The language is studied in depth to see how advanced concepts are realized in the language, and is used to produce example systems. Emphasis is placed on the most recent advanced features. *Prerequisite:* CSC-281 or equivalent.

CSC-546 Introduction to Computer Networks (3) An introduction to the basic concepts of computer networks. The architecture of data communication systems, the seven-layer model of a network, and the physical, data link, network, transport, and session layers are explored. Protocol algorithms are considered for the implementation of the various network layers. Usually offered once a year.

CSC-565 Operating Systems (3) Historical background. Operating system functions and concepts: processes; processor allocation; memory management; virtual memory; I/O and files; protection; and design and implementation. Several existing operating systems are discussed. A group project to design and implement a small operating system is usually required. Usually offered alternate springs. *Prerequisite:* CSC-281.

CSC-568 Artificial Intelligence (3) Application of computers to tasks usually thought to require human intelligence, such as game playing, problem solving, learning, pattern recognition, natural language understanding, and expert systems. *Prerequisite:* CSC-280.

CSC-570 Database Management Systems (3) Examination of database management systems, distributed systems, evaluation and selection of computer systems, privacy and security, and performance evaluation. This course provides a fundamental exposure to relational architecture through exercises in Microsoft Access and Oracle 8, including an introduction to SQL. *Prerequisite:* CSC-281.

CSC-589 Topics in Computer Science (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include artificial intelligence programming, computer graphics, the history of computing, and neural networks.

CSC-590 Independent Reading Course (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

CSC-600 Simulation (3) Design and implementation of simulation systems. Covers discrete-event, stochastic simulations with examples chosen from a variety of fields. At least one simulation language is studied in detail.

CSC-610 Introduction to Geographic Information Systems (3) A geographic information system (GIS) is a system of hardware, software, data, people, organizations, and institutional arrangements for collecting, storing, analyzing, and disseminating information about areas of the earth. This course provides an introduction to GIS, GIS software, and GIS applications. Usually offered every spring. *Prerequisite:* familiarity with spreadsheets, e-mail, and the World Wide Web.

CSC-636 Advanced Database Management Systems (3) Advanced query capabilities and procedural constructs are described using SQL and PL/SQL. The theoretical foundation for using these capabilities is presented. Performance issues are discussed including indexing, key definitions, and data constraints. The role of application development in ease of use, query optimization, and system performance is discussed.

CSC-637 Database Administration (3) Database administration subjects including space allocation, recovery, security, configuration management, and performance tuning are discussed. Administration capabilities are presented using a real environment. Recovery issues include commit and rollback capabilities, check points, and data logs. Physical design and implementation constraints are addressed.

CSC-689 Topics in Computer Science (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include design and analysis of algorithms, expert systems, client server computing, and computer network design and analysis.

CSC-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

CSC-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

CSC-694 Capstone Project (3) With guidance from their advisor and the project class coordinator, students select an application area in computer science where an open-ended problem can be identified. Students research the literature and current domain solutions in the application area. Projects are documented and defended. *Prerequisite:* completion of minimum of 24 credits hours of graduate study in computer science.

CSC-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* completion of 24 graduate credit hours and permission of department.

Economics

Undergraduate Courses

ECON-100 Macroeconomics FA4 (3) Introduction to the basic principles of aggregate economic analysis. Includes measurement and determinants of national income, unemployment, inflation, economic growth, and business cycles. Topics also include historical perspectives, alternative approaches to economics, and current issues and controversies. Usually offered every term.

ECON-110 The Global Majority FA3 (3) Introduction to economic problems of less-developed countries, human dimensions of development, alternative strategies for development, and relationships between the more-developed and less-developed countries. Applications of elementary economic analysis are supplemented by non-traditional materials such as films or novels. Usually offered every term.

ECON-200 Microeconomics FA4 (3) Introduction to the analysis of markets and the behavior of different kinds of economic agents. Covers supply and demand, behavior of consumers and firms, competitive markets versus monopoly or oligopoly, income distribution, discrimination, and international trade. Usually offered every term.

ECON-300 Intermediate Microeconomics (3) Theories of production, business firms, and consumer demand. Perfect and imperfect competition. Market failures including externalities and public goods. Policy applications. Usually offered every term. *Prerequisite:* ECON-100 and ECON-200.

ECON-301 Intermediate Macroeconomics (3) Theoretical models of national income, employment, inflation, and economic growth, with applications to contemporary policy issues. Fiscal and monetary policies. Usually offered every term. *Prerequisite:* ECON-100 and ECON-200.

ECON-317 Political Economy (3) Survey of alternative theories of political economy (e.g., Marxian, Feminist, and Institutionalist) with applications to current economic problems and institutions. Usually offered alternate springs (odd years). *Prerequisite:* ECON-100 and ECON-200.

ECON-318 Economic History (3) Historical investigation of economic development using Europe and the Third World as case studies. Emphasis is on applying economic theory to illuminate historical development of major countries. Offered irregularly. *Prerequisite:* ECON-100 and ECON-200.

ECON-319 United States Economic History (3) Historical investigation of economic development using the United States as a case study. Emphasis is on applying economic theory to illuminate historical development of the U.S. economy since colonial times. Offered irregularly. *Prerequisite:* ECON-100 and ECON-200.

ECON-320 History of Economic Ideas (3) Evolution of economic theory since the eighteenth century; major figures and schools in economic thought from Adam Smith to the present. Emphasis on specific historical contexts of economic ideas and the significance of having a separate body of thought called economics. Offered irregularly. *Prerequisite:* ECON-100 and ECON-200.

ECON-322 Applied Econometrics I (4) Review of the theory of economic statistics and statistical techniques. Emphasis on applying statistical models to economic data. Regression analysis and estimation of economic models. Includes violations of the basic assumptions of the regression model, dummy variables, and analysis of variance. Index numbers and time series analysis. Lab allows students to learn how to apply theory of economic statistics. Usually offered every spring. *Prerequisite:* ECON-100, ECON-200, and STAT-202 or STAT-203.

370 Course Descriptions

ECON-332 Money, Banking, and Finance in the Global Economy (3) Money, banking, and capital markets in a globalizing world. Includes central banking, monetary integration, currency competition, dollarization, electronic money, banking problems and policies in emerging market economies, developed and emerging capital markets, and appropriate policies for regulating global financial institutions. Usually offered every spring. *Prerequisite:* ECON-100.

ECON-341 Public Economics (3) Theories of taxation, public expenditure, and fiscal policy. Comparison of fiscal institutions in the United States and abroad. Government approaches to income redistribution and poverty: negative income tax, family allowances, etc. Usually offered alternate springs (even years). *Prerequisite:* ECON-100 and ECON-200.

ECON-345 Introduction to Game Theory (3) This course explores applications such as auctions, firm competition, and voting with mathematical analysis. It includes Nash equilibrium, subgame perfect equilibrium, evolutionary stability, repeated games, signaling, mechanism design, uncertainty, and behavioral game theory. Meets with MATH-345. Usually offered every fall. *Prerequisite:* ECON-200, and MATH-211 or MATH-221.

ECON-346 Competition, Regulation, and Business Strategies (3) Historical and contemporary analysis of industrial market structures and of the behavior of business firms in the United States. The rise of large corporations, monopoly power and its effects on economic and social welfare, control over large corporations, and governmental regulation of business. Usually offered every fall. *Prerequisite:* ECON-100 and ECON-200.

ECON-351 Comparative Economic Systems (3) Analysis and comparison of different economic institutions as they affect economic democracy, efficiency, and equity. Using a case study approach, the course covers the differences between the economic systems of various industrialized countries and evaluates the historical experiences of the formerly "socialist" economies. Offered irregularly. *Prerequisite:* ECON-100 and ECON-200.

ECON-361 Economic Development (3) Survey of major issues related to the economics of developing countries in Latin America, Africa, and Asia. Includes the meaning and measurement of economic development, theories of development and underdevelopment, and policies to alleviate poverty and promote development in the low-and middle-income countries of the world. Usually offered every fall. *Prerequisite:* ECON-100 and ECON-200.

ECON-362 Microeconomics of Economic Development (3) Theoretical and empirical exploration of microeconomic issues and policies in developing countries. The course focuses on poverty and income distribution and includes coordination failures, credit and labor market imperfections, microcredit, health, food security, human capital accumulation, gender relations, property rights, transaction costs, and economics of the household. Usually offered every fall. *Prerequisite:* ECON-100 and ECON-200. *Note:* ECON-300 or ECON-400 is recommended.

ECON-363 Macroeconomics of Economic Development (3) Theoretical and empirical exploration of macroeconomic issues and policies in developing countries. Topics include exchange rates, monetary policy, fiscal policy, international trade, international financial flows, financial crises, structural adjustment, and related topics. Usually offered every spring. *Prerequisite:* ECON-301 or ECON-401.

ECON-370 International Economics (3) Introduction to international trade and finance and open economy macroeconomics. Includes why countries trade, trade policies and their effects, the balance of payments, foreign exchange markets, and fixed and flexible exchange rates. Usually offered every term. *Prerequisite:* ECON-100 and ECON-200. *Note:* Intended for majors in other teaching units and BA in Economics: general track. No credit toward BA in Economics: international track, BS in Economics, or BS in Mathematics and Economics.

ECON-371 International Economics: Trade (3) Theories of international trade and its impact on national economies, including overall welfare gains and redistributive effects; analysis of the effects of tariffs, quotas, and other trade policies. Topics include capital and labor mobility, trade and development linkages, and preferential or regional trade agreements. Usually offered every spring. *Prerequisite:* ECON-300 or ECON-400.

ECON-372 International Economics: Finance (3) Determination of income, employment, and inflation in open economies; international impact of monetary-fiscal policies under fixed and flexible exchange rates; theories of exchange-rate determination; and international monetary organization and reform. Usually offered every fall. *Prerequisite:* ECON-301 or ECON-401. STAT-202 is recommended.

ECON-373 Labor Economics (3) Application of economic theory to labor markets in the United States and abroad. Includes determination of wages, and wage differentials, discrimination, training policy, poverty, unemployment and underemployment, income distribution, productivity, industrialization, and union policies. Offered irregularly. *Prerequisite:* ECON-300 or ECON-400.

ECON-374 Gender Roles in the Economy (3) Explores the gender dimensions of economic life. An in-depth look at the roles of men and women in the community, the market, and within the household; how gender roles are affected by economic and social change. The discipline of economics is brought to bear on the study of women's and men's well-being and status in society. Usually offered every fall. *Prerequisite:* ECON-100 and ECON-200.

ECON-376 International Economic Policy (3) Major factors and issues in U.S. international economic relations in terms of trade-offs between political and economic priorities; emphasis on U.S. international trade, finance, development, energy, and investment policies. Usually offered every term. *Prerequisite:* ECON-100, ECON-200, and SISU-206 or STAT-202.

ECON-377 U.S. Domestic Economic Policy (3) Current issues in domestic economic policy making in Washington, DC are analyzed in this course. It begins with an assessment of the state of the U.S. economy and the well-being of the American people. Macroeconomic policies, both fiscal and monetary, are studied in the current context and also in the recent past of the Great Recession and financial crisis. The microeconomics of health care reform and energy and environmental policies are also analyzed. Usually offered every fall. *Prerequisite:* ECON-100 and ECON-200.

ECON-379 Economics of Environmental Policy (3) The relationship between economic activity and the natural environment; the meaning and implications of sustainable development. Includes environmental protection, resource conservation, evaluation of environmental costs and benefits, and optimal management of natural resources. Also compares different policy approaches to regulating pollution and the exploitation of common property resources. Usually offered every fall. *Prerequisite:* ECON-100 and ECON-200.

ECON-383, ECON-384 Washington Economic Policy Semester Seminar I (4), II (4) Intensive examination of economic policy making in Washington. Encompasses theoretical analysis of economic problems, extensive readings, on-site discussions with economic policy decision makers, preparation of papers, and presentation of alternative paradigms used to understand economic policy. Usually offered every term.

ECON-385 Washington Economic Policy Semester Internship (4) Experience in pursuing directed research with an organization directly involved in the field of economic policy.

ECON-390 Independent Reading Course in Economics (1-6) *Prerequisite:* permission of instructor, and faculty advisor or undergraduate program director.

ECON-400 Intermediate Microeconomics with Calculus (3) Theory of resource allocation and price system; theory of demand, production, and distribution; and market structure and performance. Usually offered every term. *Prerequisite:* ECON-200 and MATH-221.

ECON-401 Intermediate Macroeconomics with Calculus (3) Theories of income determination, inflation, and unemployment, business cycles, and long-run growth. Analysis of monetary and fiscal policies with extensions to open economies. Also includes debt dynamics and financial crises. Usually offered every term. *Prerequisite:* ECON-100, ECON-200, and MATH 221.

ECON-424 Applied Econometrics II (3) More advanced topics of econometrics, including time-series techniques, limited dependent variable models, simultaneous equations, instrumental variables, and panel data methods. Usually offered every term. *Prerequisite:* ECON-322.

ECON-458 Economics of the World Regions (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics course examines economic trends and economic policies in regions such as Africa, East Asia, Middle East, or emerging markets. Focuses on distinctive economic institutions in the particular region, interdependencies within regions, and the role of public policies in economic growth. Usually offered every term. *Prerequisite:* ECON-100 and ECON-200.

ECON-480 Senior Research Seminar (3) Research methods, the writing of economics, presentation of research. Close consultation between the faculty member and students on the choice of research project and how best to conduct the research. Usually offered every fall. *Prerequisite:* ECON-300 or ECON-400; ECON-301 or ECON-401; and ECON-322.

ECON-490 Independent Study Project in Economics (1-6) *Prerequisite:* permission of instructor, and faculty advisor or undergraduate program director.

ECON-491 Internship (1-6) *Prerequisite:* permission of instructor, and faculty advisor or undergraduate program director.

ECON-492 Internship in Teaching Economics (3) Upper-level economics majors work as teaching assistants for faculty teaching large sections of introductory economics courses and participate in a regular seminar on the teaching of economics. Responsibilities include directing review sessions, holding office hours, reviewing homework assignments, and leading break-out sessions. Usually offered every term. *Prerequisite:* permission of instructor, and faculty advisor or undergraduate program director.

Graduate and Advanced Undergraduate Courses

ECON-505 Introduction to Mathematical Economics (3) Review of logarithms and differential calculus. Introduction to matrix algebra with emphasis on economic applications. Comparative static analysis of linear models. Introduction to multivariate differential calculus with applications to optimization in consumer and producer theory. Comparative static analysis of nonlinear models. Introduction to difference equations and analysis of dynamic models. Usually offered every term. *Prerequisite:* MATH-221.

ECON-541 Public Economics (3) Rationale for the existence of the public sector. Theory of public goods and taxation. Usually offered alternate springs (odd years). *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802.

ECON-546 Industrial Economics (3) The structure of industrial markets and the behavior of business firms. Theoretical and empirical appraisal of welfare implications of alternative market structures and business behavior, both in the United States and abroad. Impacts of international influences on behavior of domestic firms. Usually offered alternate springs (even years). *Prerequisite:* ECON-400 or ECON-600 or ECON-803.

ECON-547 Economics of Antitrust and Regulation (3) Economic analysis of government policies affecting business behavior, with focus on the U.S. economy. In addition to antitrust (or competition) policy and traditional public utility regulation, price and entry regulation in transportation and service sectors, and social (health, safety, and environmental) regulations are also evaluated. Usually offered every summer. *Prerequisite:* ECON-300 or ECON-400 or ECON-346; or ECON-600 or ECON-803.

ECON-551 Comparative Economic Systems (3) A theoretical and historical evaluation of key political and economic institutions of several advanced capitalist countries and their impact on economic and social outcomes. Students develop an understanding of differences in institutions including property rights, labor organization, corporate governance, and social welfare policy, and use publicly available data to evaluate outcomes. Usually offered alternate falls (odd years). *Prerequisite:* ECON-300 or ECON-400 or ECON-600 or ECON-803; and ECON-301 or ECON-401 or ECON-601 or ECON-802; or ECON-603.

372 Course Descriptions

ECON-552 Economics of Transition (3) Examines theoretical and policy issues related to the transition from central planning to democratic, market-based economic systems in countries of the former Soviet Union and Central and Eastern Europe. Emphasis on developing students' own empirical research on a topic related to the course. Usually offered alternate springs (even years). *Prerequisite:* ECON-300 or ECON-400 or ECON-600 or ECON-803; and ECON-301 or ECON-401 or ECON-601 or ECON-802; or ECON-603.

ECON-579 Environmental Economics (3) An analysis of the relationship between economic activity and the natural environment. The course focuses on using economic theory to address environmental policy issues. Policy measures for regulating pollution and managing common property resources are explored, including emission taxes, tradable pollution permits, and property rights solutions. Applications to global environmental issues such as climate change and local environmental problems are emphasized. Students gain an understanding of the meaning of efficiency and sustainability and the types of policies required to achieve them. Usually offered every fall. *Prerequisite:* ECON-603 or ECON-600 or ECON-803.

ECON-590 Independent Reading Course in Economics (1-6)
Prerequisite: permission of instructor, and faculty advisor or program director.

Graduate Courses

ECON-600 Microeconomics (3) Theory of resource allocation and price system; theory of demand, production, and distribution; and market structure and performance. Usually offered every term. *Prerequisite:* ECON-505.

ECON 601 Macroeconomics (3) Theories of income determination, inflation, and unemployment, business cycles, and long-run growth. Analysis of monetary and fiscal policies with extensions to open economies. Also includes debt dynamics and financial crises. Usually offered every term. *Prerequisite:* ECON-505.

ECON-603 Introduction to Economic Theory (3) An introduction to the major analytical tools of micro and macro economics, including models of employment, inflation, economic growth and development, international trade, the derivation of supply and demand, the operation of firms under perfect and imperfect competition, and the role of government in society. No credit toward degrees in the Department of Economics. Usually offered every term. *Prerequisite:* an introductory course in economics.

ECON-618 Economic History of Europe and the World (3) Origins and development of capitalism in western Europe and selected other global regions. Theories of long-run growth, technological change, and institutional development are applied in a historical context. Course emphasizes research methods in economic history. Usually offered alternate springs (odd years). *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802.

ECON-619 United States Economic History (3) The pace and structure of economic growth, the institutional transformations involved in economic development, and the social and economic consequences of economic change in the United States since colonial times. Focus is on a variety of causal models and methods for explaining economic and institutional change. Usually offered alternate springs (even years). *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802.

ECON-620 Economic Thought (3) Major figures in the history of economic thought, their social and economic thought and tools of analysis they created. Usually offered every fall. *Prerequisite:* ECON-600 and ECON-601.

ECON-623 Applied Econometrics I (3) A review of probability, descriptive statistical inference, and hypothesis testing; basic bivariate and multivariate OLS models; non-linear regressions and interactions effects; heteroskedasticity; and autocorrelation. Includes an introduction to statistical software. Usually offered every term. *Prerequisite:* STAT-202.

ECON-624 Applied Econometrics II (3) More advanced topics of econometrics, including time-series techniques; limited dependent variable models; simultaneous equations; instrumental variables; and panel data methods. Usually offered every term. *Prerequisite:* ECON-623.

ECON-630 Monetary Economics (3) Overview of major theories relating money supply and interest rates to inflation and growth in the short- and long-runs. Review of contemporary research on central banks and alternative methods of making monetary policy in advanced industrial, emerging market, and developing economies. Practice with basic econometric methods used in monetary-policy analysis. Usually offered every fall. *Prerequisite:* ECON-601 or ECON-802, and ECON-505 or ECON-805.

ECON-633 Financial Economics (3) Institutional and theoretical aspects of creating, holding, and exchanging financial assets—money, credit instruments, and equities. The liabilities created by financial intermediaries and the role of government in financial markets. Usually offered every spring. *Prerequisite:* ECON-600 or ECON-803, and ECON-505 or ECON-805.

ECON-634 Development Finance and Banking (3) Alternative approaches to understanding the role of finance and banking in economic development and analysis of the interaction between international and domestic capital markets, as well as between the formal banking sector and the informal financial sector of developing economies. The role of development banks, multilateral institutions, and governments in financial market operations. Examines the effect of financial policy reforms and regulations on the performance of financial markets. Usually offered every spring. *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802.

ECON-639 Policy Issues in Financial Economics (3) Applications of the tools of finance to examining financial crises, financial regulations involving banks and other institutions, and policies such as housing finance, government loan guarantees, pensions, and consumer finance. Students make oral presentations and hear guest lectures by policymakers dealing with financial economic issues. Usually offered every spring. *Prerequisite:* ECON-600 and ECON-633.

ECON-658 Economics of the World Regions (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics course examines economic trends and economic policies in regions such as Africa, East Asia, or the Middle East. Focuses on distinctive economic institutions in the particular region, on the interdependencies within regions, and on the role of public policies in economic growth. Usually offered every term. *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802; or ECON-603.

ECON-661 Survey of Economic Development (3) Selected topics in the field of development economics at both the micro and macro levels with an emphasis on policy issues and data analysis. Topics may include poverty, inequality, gender, growth, trade, finance, employment, debt, exchange rates, and macro policies in developing countries. Intended for master's students from other teaching units; no credit toward PhD in economics. Usually offered every term. *Prerequisite:* ECON-603, or ECON-600 and ECON-601.

ECON-662 Development Microeconomics (3) Examines the meaning and measures of economic development. Explores theoretical and empirical work of development issues at micro and meso levels. These include poverty traps, coordination failures, credit and labor market imperfections, microcredit and cooperatives, health, human capital accumulation, gender, population, property rights, and transaction costs, and the economics of the household. Usually offered every fall. *Prerequisite:* ECON-600 or ECON-803.

ECON-663 Development Macroeconomics (3) Analysis of the macroeconomics of developing countries, including discussion of growth models, open-economy macroeconomics, exchange rates, monetary policy, fiscal policy, international trade, and related topics. The objective is to understand the rationale for and the effectiveness of different macroeconomic policies in a developing country setting. Usually offered every spring. *Prerequisite:* ECON-601 or ECON-802.

ECON-665 Project Evaluation in Developing Countries (3) Primarily for graduate students interested in working with international development organizations, this course is an overview of quantitative approaches used to evaluate planned, on-going, or completed projects and programs in developing countries. Usually offered every spring. *Prerequisite:* ECON-623.

ECON-670 Survey of International Economics (3) International trade theory and policy analysis; welfare effects of trade policies; international monetary economics including balance of payments and exchange rates; open economy macroeconomics. Intended for master's students from other teaching units; no credit toward PhD in economics. Usually offered every term. *Prerequisite:* ECON-603, or ECON-600 and ECON-601.

ECON-671 International Economics: Trade (3) Classical, neo-classical, and contemporary theories of the pattern of trade and the gains from trade. Analysis of the welfare and redistributive effects of trade policies. Modern theories of trade with increasing returns and imperfect competition. Usually offered alternate falls (odd years). *Prerequisite:* ECON-600 or ECON-803, and ECON-505 or ECON-805.

ECON-672 International Economics: Finance (3) International monetary economics and open-economy macroeconomics. Balance-of-payments adjustment, exchange rate determination, capital mobility, and the international monetary system. Usually offered alternate springs (even years). *Prerequisite:* ECON-505 or ECON-805, and ECON-601 or ECON-802. *Note:* ECON-623 or ECON-823 is strongly recommended.

ECON-673 Labor Economics (3) Fundamentals of labor economics. Includes derivation of labor supply and demand, and theories of wage determination, among other topics. Usually offered alternate falls (odd years). *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802.

ECON-674 Gender Perspectives on Economic Analysis: Microeconomics (3) This course explores the gender dimensions of economic life drawn from a rich body of studies and research on gender-aware analyses in microeconomics, labor, poverty, and social policy. Using analytical models, empirical studies, case histories and ethnographic research, it examines varied theories of the household and household bargaining; reproductive economy, care work and unpaid work; labor markets; assets and income distribution; gender, inequality, and poverty; and related social policy issues. Usually offered alternate falls (even years). *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802; or ECON-603.

ECON-675 Gender Perspectives on Economic Analysis: Macroeconomics (3) This course explores the gender dimensions of economic life drawn from a rich body of studies and research on gender-aware analyses in macroeconomics, public finance, and international trade and finance. Using analytical models, empirical studies, case histories and ethnographic research, it examines feminist theories of economic growth, gender-aware macroeconomic models, gender and recession/crisis; gender analysis of fiscal policy and the practice of gender budgets; gender, trade, and investment; gender and credit markets; and gender-aware macroeconomic, trade, and investment policies. Usually offered alternate springs (odd years). *Prerequisite:* ECON-600 or ECON-803, and ECON-601 or ECON-802; or ECON-603.

ECON-676 Labor Economics II (3) Advanced topics in labor economics, with emphasis on empirical methods for doctoral dissertation research. Usually offered alternate springs (even years). *Prerequisite:* ECON-673.

ECON-680 Economics MA Capstone Seminar (3) Research methods, the writing of economics, and the presentation of research. Includes close consultation between the faculty member and student on the choice of research project and how best to conduct the research. May be taken A-F only. *Prerequisite:* ECON-600, ECON-601, and ECON-624.

ECON-690 Independent Study Project in Economics (1-6) *Prerequisite:* permission of instructor, and faculty advisor or program director.

ECON-691 Internship (3) *Prerequisite:* permission of instructor, and faculty advisor or program director.

ECON-797 Master's Thesis Research (1-6) May be taken SP/UP only.

ECON-802 Macroeconomic Analysis I (3) Develops basic intertemporal frameworks for analyzing economic growth, consumption, saving, and investment. Introduction to models used to examine major policy issues in public finance, monetary policy, financial markets, and open-economy macro. Usually offered every spring. *Prerequisite:* ECON-805 and admission to PhD program.

ECON-803 Microeconomic Analysis I (3) Theories of demand, market structure and performance, production and distribution, cost and supply. Introduction to general equilibrium analysis. Usually offered every fall. *Prerequisite:* admission to PhD program.

ECON-805 Mathematical Economic Analysis (3) Mathematical analysis of economic theory and problems. Constrained maxima and minima, linear and nonlinear programming, elementary differential and difference equations, and economic applications. Usually offered every fall. *Prerequisite:* admission to PhD program.

ECON-810 Micro Political Economy (3) A survey of recent, alternative theoretical work in microeconomics, with emphasis on institutionalist, behavioral, and evolutionary political economy approaches. Relevant empirical work is reviewed to support the theory. Usually offered every fall. *Prerequisite:* ECON-803 and admission to PhD program.

ECON-811 Macro Political Economy (3) Alternative theories of long-run economic growth, income distribution, and technological change. Short-run macroeconomic models in the post-Keynesian tradition are developed and compared with "new consensus" models. Topics vary by year, but generally include mark-up pricing and income shares, conflicting claims inflation, the unemployment-inflation relationship, saving and investment behavior, debt dynamics, and open economy extensions. Usually offered every fall. *Prerequisite:* ECON-802 and admission to PhD program.

ECON-812 Macroeconomic Analysis II (3) An advanced treatment of topics in contemporary macroeconomic theory and policy research, including monetary policy, public finance, open-economy macro, and alternative approaches to macro models. Usually offered every spring. *Prerequisite:* ECON-802 and admission to PhD program.

ECON-813 Microeconomic Analysis II (3) An advanced treatment of topics in contemporary microeconomic theory, including general equilibrium, risk and uncertainty, game theory, and behavioral economics. Usually offered every spring. *Prerequisite:* ECON-803 and ECON-805 and admission to PhD program.

ECON-823 Econometric Methods (3) Mathematical statistics and probability theory. Foundations of estimation and inference (including hypothesis testing). Basics of asymptotic theory. Multivariate regression models: ordinary least squares and generalized least squares (including serial correlation, heteroskedasticity, multicollinearity, and stochastic regressors). Basic maximum likelihood. Practice with statistical and econometric software. Usually offered every spring. *Prerequisite:* admission to PhD program.

ECON-824 Advanced Econometric Methods (3) Extension of econometric theory (least squares and maximum likelihood). Main topics include generalized least squares, nonlinear models, sets of equations (including simultaneous equations), instrumental variables, discrete choice, and censored models. Practice with data and working on an empirical research paper is part of the class. Usually offered every fall. *Prerequisite:* ECON-823 and admission to PhD program.

ECON-874 Seminar in Political Economy and Economic Thought (3) Advanced topics in political economy and economic thought, with an emphasis on current theoretical, empirical, and methodological debates in the research literature and on preparing graduate students to write dissertations in these areas. *Prerequisite:* ECON-620, and ECON-810 or ECON-811, and admission to PhD program.

ECON-878 Seminar in Economic History (3) Topics and research methods in economic history; countries, regions, issues, or epochs covered vary. *Prerequisite:* ECON-618 or ECON-619, and admission to PhD program.

ECON-882 Seminar in Empirical Macroeconomics (3) Survey of the theory and application of time-series methods in econometrics. Special attention to recent developments in time-series analysis and some areas of ongoing research. Aims to provide students with techniques for estimation and assessment of the quality of macroeconomic models with time-series data. Usually offered alternate springs (even years). *Prerequisite:* ECON-824 and admission to PhD program.

ECON-883 Seminar in Empirical Microeconomics (3) Advanced micro-econometrics with emphasis on the interconnection between econometrics and microeconomic theory; empirical implications; and new econometric methods. Topics include applied games, labor economics, wage equations, demand and/or supply estimation, expenditure and cost equations, survey analysis (such as qualitative choice type analysis), semi parametric models, quantile regression, discontinuity, and inequality measures. Usually offered alternate springs (odd years). *Prerequisite:* ECON-824 and admission to PhD program.

ECON-884 Seminar in International Trade and Finance (3) Selected advanced topics in international trade, trade policy, international finance, and open economy macroeconomics. Seminar focuses on empirical research methods. Research paper required. Offered irregularly. *Prerequisite:* ECON-671, ECON-672, and ECON-823, and admission to PhD program.

ECON-888 Seminar in Economic Development (3) Advanced topics in aspects of economic development, with emphasis on empirical research methods. Research paper required. *Prerequisite:* ECON-662 or ECON-663, and admission to PhD program.

ECON-897 Doctoral Dissertation Seminar (1-12) May be taken pass/fail only. *Prerequisite:* admission to PhD program.

ECON-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

ECON-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Education

Undergraduate Courses

EDU-205 Schools and Society FA4 (3) A multidimensional view of schools, teachers, and students. This social and intellectual foundation course serves as a basis for studying contemporary education and the issues of racism, sexism, finance, governance, innovations, and the social context of American education. The course includes lectures, discussion groups, cooperative learning, Internet activities, and independent projects. Usually offered every term.

EDU-212 Introduction to Sign Language (3) An introduction to American Sign Language (ASL) with a particular focus on deaf culture, history, folklore, anthropology, and sociology. Usually offered every fall.

EDU-240 Analysis of Experiential Learning (3) A review of contemporary theories and research in adult development and learning that provides students with the context to identify, analyze, and synthesize prior experiential learning. Final product is a portfolio that documents such learning. Usually offered every term. May be taken pass/fail only. *Prerequisite:* enrollment limited to students in the AEL program.

EDU-250 Mathematics for Elementary School Teachers (3) With EDU-251, a two-semester sequence for prospective elementary teachers. Extends the foundational ideas of mathematics and conceptual understanding of topics typically taught in elementary school classrooms, including numbers and numeration, fractions, decimals, ratio, proportion, and percents. Usually offered every fall. *Prerequisite:* completion of University Mathematics Requirement and EDU-420.

EDU-251 Mathematics for Elementary School Teachers II (3) With EDU-250, a two-semester sequence for prospective elementary teachers. Extends the foundational ideas of mathematics and conceptual understanding of topics typically taught in elementary school classrooms, including numbers and numeration, fractions, decimals, ratio, proportion, percents and integers. Usually offered every spring. *Prerequisite:* EDU-250.

EDU-280 Social Justice and Urban Education (3) This course provides an analysis of the nature and impact of race and class on social justice issues in urban education. Emphasis is placed on how urban schools have served as vehicles of oppression and opportunity for social groups in our society. Students also consider the political ideologies, theories, classroom properties and structures within these spaces. The class uses a critical pedagogy framework to analytically interrogate the relationship between education and social justice and to critically unpack the theories and practices within urban education.

EDU-285 Education for International Development FA3 (3) The conserving role of education as a socializing agent and the liberating role of education as an engine of change. Special attention is given to the multiple roles of education in social, economic, political, and human development in the developing world. Usually offered every term.

EDU-319 Children's Literature: Multicultural and International Approaches (3) Exploration and critical analysis of multicultural and international children's literature from preschool to adolescence. Includes how contemporary issues are reflected in different genres, as well as marginalization, gender equity, social inequity, racism, and censorship. Usually offered every spring.

EDU-321 Field Experience: Observation and Analysis (1) Observation and analysis of diverse school settings, examining philosophies, curriculum, and teacher and administrator roles, using informal and formal means of data collection with particular emphasis on classroom interactions. Usually offered every term.

EDU-330 Instructional Strategies and Teaching Methods (3) An introduction to effective teaching strategies for prospective elementary teachers. Focus is on planning, implementing, and assessing teaching and learning. Issues of beliefs, practice, and reflection are emphasized. Students demonstrate teaching skills in clinical settings. Usually offered every fall. *Prerequisite:* EDU-205, EDU-321, and EDU-420.

EDU-371 Foundations of Reading Instruction (3) This course explores the fundamentals of literacy instruction. Attention is given to research that informs reading instruction, looking specifically at models and theories of reading over time. Special attention is given to constructing ways of supporting learners from diverse backgrounds, experiences, and abilities. Usually offered every spring. *Prerequisite:* EDU-205, EDU-321, and EDU-420.

EDU-390 Independent Reading Course in Education (1-6) *Prerequisite:* permission of instructor and SETH dean.

EDU-419 Children's Literature: A Critical Literacy Perspective (3) Critical exploration of picture books and adolescent literature with a focus on using children's literature to explore issues of social justice and equity. Meets with EDU-619. Usually offered every term.

EDU-420 Psychology of Education (3) Surveys the research literature on learning theories and human development with an emphasis on the role of educators. Includes focus on issues and theories related to multicultural education, special education, evaluation, memory and cognition, and instructional design. Usually offered every term.

EDU-462 Classroom Management (3) Study of the instructional and behavioral components of classroom management. Students gain skills in assessing behavior problems, planning interventions, implementing various strategies, and evaluating the effectiveness of interventions. Special attention is given to diverse populations of students, including exceptional needs, different cultural backgrounds, English as a second language, and low socioeconomic status. Usually offered every fall.

EDU-490 Independent Study Project in Education (1-6) *Prerequisite:* permission of instructor and SETH dean.

EDU-491 Internship in Education (1-6) Students participate in the professional activities of selected educational organizations or agencies in the Washington, D.C. area. Students gain experience in nonteaching occupations that are integrally related to education and gain skills in educational research or program development and dissemination. *Prerequisite:* permission of director of internship program and SETH dean.

EDU-492 Service Learning in Teacher Education (1) May be repeated for credit. Students participate in school and community organizations and agencies. Exploration of the principles of service learning and application of classroom theory in the community. Special attention is paid to providing equitable learning environments. Students must complete a minimum of 40 hours in the community placement and attend three on-campus seminars. Usually offered every term. May be taken pass/fail only.

EDU-499 Student Teaching Seminar in Professional Practice (12) (fall 2013: Student Teaching) Enrollment in this seminar is required in the semester students are completing their student teaching requirement. The class meets weekly for students to discuss their teaching experiences and to assist them in developing ideas and strategies to improve their classroom effectiveness. Preparation of a reflective case study and completion of a professional portfolio and an on-line journal are required. Usually offered every term. May be taken A-F only. *Prerequisite:* successful completion of relevant methods courses and practicum, satisfactory academic and professional performance as defined by the Teacher Education Committee and permission of the director of teacher education.

Graduate and Advanced Undergraduate Courses

EDU-502 Methods of Managing Students with Behavior Disorders (3) Psycho-educational methods of understanding and managing inappropriate classroom behavior. Techniques such as groups, problem solving, role playing, and videotape analysis of behavior. Usually offered every fall and summer.

EDU-519 The Uses of Technology in Education (3) An introduction to computer literacy focusing on the effective use of technology in teaching and educational management. The course emphasizes criteria for evaluating software; using technology for effective teaching; and applying technology to strengthen management systems. Also provides students hands-on experience with a broad range of software and practical experience in applying technology to teaching and management. Usually offered every fall.

EDU-520 Reading, Writing, and Literature across the Curriculum (3) The focus of this course is on exploring and analyzing theories, models, and strategies for teaching reading, writing, and literature across the curriculum and how to integrate these in the content areas. Also addresses ways of supporting diverse learners throughout the course. Usually offered every spring.

EDU-521 Foundations of Education (3) Exploration of philosophical, sociological, and political foundations of American education and inquiry into the role schools play in cultural production, maintenance, and transformation and what this means for diverse learners of all ages. Includes an examination of law and policies that affect children and families. Usually offered every term.

EDU-522 Principles of Effective Methods and Instruction (3) An in-depth examination of the methods and competencies necessary for teaching, including instructional planning, writing objectives, lesson presentation, questioning, and feedback, interpersonal communication, instructional approaches, and assessment. The course explores the teacher's role as skilled practitioner and critical decision maker. Usually offered every fall.

EDU-525 Principles of Educational Assessment and Evaluation (3) This course provides an overview of assessment measures and processes used in educational settings, including test construction and criterion-referenced measurement for instruction; and issues such as authentic assessments and portfolios, ethical concerns, and the uses of tests for educational research. Usually offered every spring.

EDU-540 Methods, Materials, and Management in Secondary Education I (3) This course is the first in a two-part sequence designed to develop knowledge and understanding of effective instruction and classroom management in secondary education. The course addresses the methods, materials, and management of secondary school subjects. Includes laboratory experiences in the university classroom and area secondary schools as well as seminars, and analysis of practical experience with respect to current literature. *Prerequisite:* admission to the Teacher Education program and permission of SETH advisor.

EDU-541 Foundations of Special Education for Exceptional Children (3) This survey course examines students with diverse learning needs and effective programs designed to provide equitable education for all students. Exceptionalities of students with regard to cognitive, behavioral, and psychological/social differences are the focus of study. Usually offered every term.

EDU-542 Methods, Materials, and Management in Secondary Education II (3) This course is the second in a two-part sequence designed to develop knowledge and understanding of effective instruction and classroom management in secondary education. The course focuses on the development of instructional methodologies, research skills, content area knowledge, and inquiry strategies used to understand assessment and evaluation in the classroom. Usually offered every spring. *Prerequisite:* EDU-540.

EDU-545 Overview of All Exceptionalities: The Arts in Special Education (3) This is an experiential course to expose students to a variety of exceptional conditions and to teach them about the experiences of children and adults with exceptionalities. Students learn to program for success through a panoply of art forms, by building on the abilities, strengths, and interests of students with exceptionalities, systematically programming academic material into arts activities, and teaching socialization and life skills. Usually offered every fall.

EDU-552 Teaching Mathematics in Elementary Education (3) Materials and methods for teaching mathematics to all learners. Emphasis on the analysis of current research and effective mathematics instruction. Practical application in the university classroom and in area elementary schools. Students provide their own transportation. Usually offered every fall. *Prerequisite:* EDU-205, EDU-250, EDU-321, EDU-330, EDU-371, EDU-419, EDU-420, EDU-462, and EDU-541 or EDU-545, admission to the Teacher Education program and permission of SETH advisor.

EDU-553 Teaching Language Arts in Elementary Education

(3) Focuses on understanding language acquisition and literacy development. Emphasis is on current research in language arts theory and practice to support diverse learners. Practical application in local elementary schools. Students provide their own transportation. Usually offered every fall. *Prerequisite:* EDU-205, EDU-250, EDU-321, EDU-330, EDU-371, EDU-419, EDU-420, EDU-462, and EDU-541 or EDU-545, admission to the Teacher Education program and permission of SETH advisor.

EDU-554 Teaching Social Studies in Elementary Education

(3) The focus of this course is on understanding how to support all learners through the use of various strategies, methods, and models for teaching social studies. Emphasis is on the analysis of current research in effective social studies teaching and learning. Practical application in local elementary schools. Students provide their own transportation. Usually offered every fall. *Prerequisite:* EDU-205, EDU-250, EDU-321, EDU-330, EDU-371, EDU-419, EDU-420, EDU-462, and EDU-541 or EDU-545, admission to the Teacher Education program and permission of SETH advisor.

EDU-555 Teaching Reading in Elementary Education (3)

The focus of this course is on understanding how to support diverse learners through the use of various strategies, methods, and models for teaching reading. Emphasis is on exploring and analyzing current research in reading theory and practice. Field work and practice teaching in local schools. Students provide their own transportation. Usually offered every fall. *Prerequisite:* EDU-205, EDU-250, EDU-321, EDU-330, EDU-371, EDU-419, EDU-420, EDU-462, and EDU-541 or EDU-545, admission to the Teacher Education program and permission of SETH advisor.

EDU-556 Teaching Science in Elementary Education (3)

Methods and materials for teaching science to all learners. Emphasis on inquiry, discovery, safety, and legal aspects. Field trips and practical application in local elementary schools. Usually offered every fall. *Prerequisite:* EDU-205, EDU-250, EDU-321, EDU-330, EDU-371, EDU-419, EDU-420, EDU-462, and EDU-541 or EDU-545, admission to the Teacher Education program and permission of SETH advisor.

EDU-560 Advanced Technology in Education (3) Students gain hands-on experience with current and emerging applications including system server architecture, application programming, product development, and project evaluation. Emphasis on informed, data-based decision making as a guide to identification, purchase, and assessment of expert services and equipment, and development of skills to enact and administer specific solutions. Meets with EDU-760. Usually offered every spring. *Prerequisite:* EDU-519 or permission of instructor.

EDU-565 Gender and Cultural Diversity in School (3)

Combining both historical perspective and contemporary knowledge and skills, this course investigates the impact of bias in school. From the earliest colonial schools to contemporary classrooms, bias, selectivity, and access have been pervasive educational barriers. The course discusses both past issues and current challenges, bridging disparate groups and interests, and searching for commonalities and differences among racial, gender, class, ability, and ethnic concerns. Students undertake a social science investigation to add to the understanding of educational equity. Usually offered every fall.

EDU-590 Independent Reading Course in Education (1-6)

Prerequisite: permission of instructor and department chair.

EDU-598 Comparative and International Education (3)

Introduction to the historical context and underlying theories of comparative and international education. An investigation and comparison of education systems and educative processes across societies and regions. Emphasis is placed on how educational policy, practice, capacity, governance, and institution building are shaped by the contexts in which they are embedded. Includes globalization, access, equity, equality opportunity, and capacity building. Special emphasis is placed on education in low-income countries. Current issues in the field are also examined. Usually offered every fall.

Graduate Courses**EDU-601 Teaching Reading in the Elementary School (3)**

This course focuses on understanding language acquisition, literacy development, and classroom teaching through the lens of cultural and linguistic diversity. Includes class discussion of strategies for teaching reading with practical application in local elementary schools. Usually offered every spring.

EDU-602 Teaching Language Arts in the Elementary School (3)

This course focuses on understanding and applying recent theories and practices in language arts teaching and learning. Emphasis is on developing strategies that support diverse learners. Includes practical application in local elementary schools. Usually offered every fall.

EDU-603 Teaching Mathematics in the Elementary School (3)

Materials and methods for teaching mathematics to all learners. Emphasis is on analysis of current research and effective mathematics instruction. Includes hands-on interactive math activities and practical application in local elementary schools. Usually offered every spring.

EDU-604 Teaching Science in the Elementary School (3)

Strategies, materials, methods, and classroom management for teaching science in elementary schools. Examines pedagogy and best practices for effective science education for diverse learners. Includes practical application in local elementary schools. Usually offered every spring.

EDU-605 Methods of Psychoeducational Assessment for Learning Disabilities and Emotional Disturbance (3)

Develops the special educator's knowledge of critical issues and concepts in the use of standardized tests in psychoeducational assessment, theoretical and operational definitions of cognitive abilities and "intelligence" familiarity with a variety of achievement tests, and introductory practice in test administration and interpretation. Usually offered every fall. *Prerequisite:* EDU-645.

EDU-606 Theories and Methods in Diagnostic and Prescriptive Mathematics (3)

Materials and methods for teaching mathematics to students with learning disabilities. Analysis of current reform models in curriculum, assessment, and instruction, including techniques of error analysis and flexible interviewing. Required tutorial experience. Usually offered every spring.

EDU-607 Research Seminar in Special Education (3) A case study approach using interdisciplinary research with focus on a specific child with learning disabilities. Includes interviews with professionals working with the child, review of confidential files, and research from contemporary journals on remediation suggestions summarized in a comprehensive report. Usually offered every spring. *Prerequisite:* permission of instructor.

EDU-608 Teaching Social Studies in the Elementary School (3) Focuses on understanding how to support all learners through the use of various strategies, methods, and modes for effective social studies teaching. Emphasis on the analysis of current research in effective social studies teaching and learning. Includes practical application in local elementary schools. Usually offered every fall.

EDU-609 Effective Teaching for Diverse Students (3) Through action research, students explore ways of organizing and managing classrooms to support diverse learners. Students engage in curriculum design and implementation across the curriculum, including instructional planning and using portfolios. The role that families, the community, and other professionals can play in assessment and curriculum planning are explored. Usually offered every spring.

EDU-610 Overview of Qualitative and Quantitative Research Strategies (3) Students are introduced to concepts and principles of social science research design. Observation, interview and survey design, literature reviews, development of problem statements and research questions, surveys of quantitative and qualitative data analyses, and formative and summative evaluation techniques are emphasized. Students demonstrate their competencies by engaging in a small-scale research study. Usually offered every fall.

EDU-611 Formative Ideas of Contemporary Education (3) Analysis of turning-point social and educational thought and research instrumental in shaping modern educational institutions, their cultures, policies, and practices. Social ideas and educational research and philosophy are linked to institutional values, policy and practice, and to contemporary educational issues such as equity, multiculturalism, and global education. Usually offered every spring.

EDU-612 Equity and Educational Opportunity in International Perspective (3) An inquiry into the meaning of educational equity, emphasizing equality of conditions and of outcomes and implications for education in different nations. Research perspectives on the relationships between social inequalities and educational opportunity relative to socioeconomic status, gender, and ethnicity, and the functions of schools as agents of cultural transmission. Usually offered every spring.

EDU-613 Cultural Factors in Higher Education (3) Study of college students and their culture. Emphasis on assessment and evaluation of phenomena in the collegiate setting to gain insight into cultural dynamics that influence student development. Usually offered every spring.

EDU-614 International Education Exchange: Policies and Practices (3) An examination of cultural and educational exchanges between the United States and other nations. Emphasis on history and changing nature of exchange, role of public diplomacy in exchange, study abroad, and the internationalization of higher education both in the U.S. and abroad. Usually offered every spring.

EDU-615 Education and Social Change (3) This course assesses the broad social functions of education and the ways in which education advances social change as a transmitter of culture, agent for socialization and opportunity, and catalyst for individual and societal well being. Although the course emphasizes education and social changes in the United States, numerous comparisons are made to other societies and cultures. Usually offered every fall.

EDU-618 Human Growth and Development across the Life Span (3) Exploration of human development and relations across the life span, with an emphasis on health and care for children with diverse linguistic, cultural, and physical needs. Includes inquiry into social and cultural learning processes from birth through age eight. Usually offered every spring.

EDU-619 Children's Literature: A Critical Literacy Perspective (3) Critical exploration of picture books and adolescent literature with a focus on using children's literature to explore issues of social justice and equity. Meets with EDU-419. Usually offered every term.

EDU-620 Theories of Educational Psychology and Human Development (3) Surveys research literature in learning and human development with an emphasis on the role of educators as decision makers and change agents who are knowledgeable about diversity and multiculturalism. Emphasizes the role today's educators play on advancing knowledge about instructional technology, human relations, time management, principles of growth and development, and the processes of memory and cognition. Usually offered every term.

EDU-621 Topics in Social Science Research (1) Topics vary by section, may be repeated for credit with different topic. An introduction to and basic skill acquisition in techniques used by social science researchers and practitioners, including undertaking ethnographic research, action research, strategies for field research, functioning as a change agent, etc. Usually offered every term. *Prerequisite:* EDU-610 or permission of instructor.

EDU-622 Language and Literacy Learning (3) In this course students explore the assumptions that underlie literary and literacy learning. Students examine how we make sense of the world through language, views of learning, the nature of knowledge, and views of literacy. Usually offered alternate springs.

EDU-623 Topics in Literacy Education (3) Topics vary by section, may be repeated for credit with different topic. Provides students with opportunities to study timely topics and issues in literacy education. Usually offered alternate springs.

EDU-624 Language, Schooling, and Nation-Building (3) This course surveys comparative and international research on the links between language policies, language-in-education planning, and nation-building. It considers how minority or marginalized languages as well as language traditions assigned lesser prestige by national language policies influence school performance and affect classroom practices. It also examines themes of social cohesion and identity in multilingual societies. While emphasis is given to the study of low-income, or post-colonial, nations, the course also examines high-income, immigrant-receiving nations.

EDU-625 Advocacy and Leadership in Early Childhood Education (3) The development of collaborative and mentorship skills to work effectively with families, communities, professionals in the field, and other adults in connection with early childhood education and schooling. Usually offered every fall.

EDU-627 Literacy Education Skills Institutes (1) Topics vary by section, may be repeated for credit with different topic. Usually offered every term.

EDU-628 Topics in Early Childhood Education (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics provide students the opportunity to study timely issues in early childhood education. Usually offered every spring.

EDU-629 National Board for Professional Teaching Standards Preparation (1-3) Topics vary by section, may be repeated for credit with different topic. Provides guidance for teacher candidates as they complete personal assessments of their current practices and successfully completing a National Board for Professional Teaching Standards (NBPTS) portfolio. Usually offered every term.

EDU-631 Fundamentals of Management in Educational Organizations (3) Overview of the general characteristics of organizations and organizational change, and the roles and tasks of managers, with emphasis on the distinctive nature of educational organizations. Analysis of the organizational issues faced in providing quality education, and the managerial and leadership skills necessary to operate effectively in educational organizations. Usually offered every fall.

EDU-632 Case Studies in Educational Management (3) May be repeated once for credit; case studies must be different. A case-study approach to examining administrative, managerial, and leadership issues in educational institutions. The course focuses on developing problem solving skills through the analysis of specific incidents, programs, and practices. *Prerequisite:* EDU-631.

EDU-633 Financing Educational Systems (3) Principles and practices of financing public education programs at federal, state, and local levels. Taxes, bonds, budgets, purchasing systems, accounting systems, and other aspects of school business administration are covered. Usually offered every spring.

EDU-634 Education and Public Policy (3) Examines the major public policy issues in American education: equity, excellence and efficiency. Emphasizes theories and techniques of policy analysis, including implementation strategies, cost/benefit analysis, and evaluation. This course considers competing definitions of and orientations toward education policy and of specific stakeholder groups and historically tracing the development, implementation, and movement of policy in formal and informal education settings. Particular attention is paid to policy implementation and appropriation. Usually offered every spring.

EDU-635 Theory and Curriculum in Early Childhood Education (3) This course focuses on theoretical models and teaching methods and strategies that deal specifically with young children and their learning in various areas of school curriculum. Usually offered every fall.

EDU-639 Effective Leadership Skills (3) A theory-based, skills-oriented workshop for administrators, dealing with concepts of administrative effectiveness, administrative style awareness, style flexibility, situational diagnosis skills, and team skills. *Prerequisite:* EDU-631.

EDU-640 Rotating Topics in Adult and Experiential Learning (3) Topics vary by section, may be repeated for credit with different topic. Focuses on the experiences and participation of adults as learners. Topics include institutional responses to the increased participation of adults; instructional strategies and curriculum development for adult learners; the efficacy and implementation of experiential learning; and the concepts and practices of adult learning theory. Usually offered every term.

EDU-642 Training Program Design (3) An introduction to the design and delivery of adult training programs, emphasizing the development of skills in a variety of training components: needs assessment, goals and objectives, training methodologies and materials, and evaluation. This course is equally appropriate for novice trainers or those with previous experience. Usually offered every fall.

EDU-644 Language Development and Remediation (3) How does one learn to use language to express thoughts and feelings? How does one teach a learning-disabled child to communicate effectively? This course discusses the developmental sequence of language learning, the nature of language disorders, diagnostic assessment of language disorders, and remedial techniques. Usually offered every spring.

EDU-645 Learning Disabilities I (3) This course examines neurological and developmental aspects of learning disabilities, and gives an overview of the field. The class examines emotional and social implications of learning disabilities, and how current brain research impacts teaching and counseling this population. Emphasis is on seeking the strengths, fostering the different intelligences, and addressing the weaknesses of children and adults with learning disabilities. *Prerequisite:* EDU-541 or EDU-545, or permission of instructor.

EDU-646 Learning Disabilities II (3) This course develops diagnostic capabilities in order to select and design materials and programs for children and youth with learning disabilities. It introduces diverse methods of teaching and studies in depth the special problems of adolescents and adults with learning disabilities. Postsecondary education, career awareness, and career development approaches and programs are represented. Counseling techniques for parents and mainstream teachers are also addressed. *Prerequisite:* EDU-645.

EDU-647 Global and Multicultural Education (3) This course deals with the role of American education in an interdependent world, examining both the multicultural character of American classrooms and the international dimensions of the American school curriculum. It explores such issues as ethnocentrism, empathy, and global awareness, including an analysis of educational materials and methods useful in treating these issues. A special emphasis is placed on developing skills for cross-cultural understanding and communication. Usually offered every spring.

EDU-648 Education and Development: Sector Analysis (3)

Examines education as a social institution that both reflects and influences social, economic, and political life in nation states and globally. Emphasizes the role of education as an engine for change in the developing world. This course analyzes and compares educational systems by examining issues of structure, governance, access, equity, international efficiency, quality, and external efficiency. Usually offered every spring.

EDU-649 Nonformal Education and Development (3) An examination of the role of nonformal education in the economic, social, and political development of developing nations. Specifically, the course deals with out-of-school programs in adult education, literacy, health, family planning, agriculture, nutrition, and community development. Case materials from several countries are used to study the issues and techniques involved in human resource development. Usually offered every fall.

EDU-650 International Perspectives on Bilingual Education Policy and Practice (3) This course provides a survey of international bilingual educational policies and practices. It examines bilingual education policies, models, and practices associated with successful and failed attempts at developing bilingual learners. Special attention is paid to how international models of bilingual education can inform U.S. policy and practice. Usually offered every spring and summer.

EDU-651 Social Context of Bilingual Learners (3) Through this course student gain an understanding of how social factors and language policy influence the educational success of bilingual learners, along with considering the role of multilingualism and linguistic minorities in society. Students learn how schools can mitigate the impact of societal factors on the educational success of bilingual learners. Usually offered every fall.

EDU-652 Bilingual Education Capstone (3) Designed for graduate students in the bilingual education, TESOL, or ITEP programs, this capstone course centers on an educational instruction component. Students are placed in dual immersion classrooms to utilize the knowledge and skills learned from other courses in the bilingual education program. Usually offered every spring and summer.

EDU-662 Classroom Management (3) Study of the instructional and behavioral components of classroom management. Students gain skills in assessing behavior problems, planning interventions, implementing various strategies, and evaluating the effectiveness of interventions. Special attention is given to diverse populations of students, including exceptional needs, different cultural backgrounds, English as a second language, and low socioeconomic status. Usually offered every fall and summer.

EDU-666 Legal Issues in Education (3) For advanced graduate students. Study of student-institution relationship, institutional judicial systems, student rights, records, and due process issues. Usually offered in alternate years.

EDU-671 Foundations of Reading: Diagnosis and Remediation (3) Broad considerations underlying the teaching of reading with emphasis on reading disability and problems of the disabled reader. Usually offered every fall and summer.

EDU-672 Reading Comprehension (3) This course builds an understanding of the cognitive processes that underlie reading comprehension. Students explore, examine, and evaluate strategies for comprehension instruction through researching qualitative studies in journals and textbooks for both narrative and expository text. In addition, students collaborate to determine strategies most beneficial to students across the grade levels. Emphasis is placed on current evidence-based practices. Usually offered every spring.

EDU-683 Curriculum Design for the Classroom (3) An exploration and analysis of the foundation of design and development of curriculum from pre-K through 16. Students study the impact of policy on curriculum and analyze various components of design and delivery in the classroom.

EDU-685 Proseminar in International Education (3) Students draw on, consolidate, and extend their knowledge, research and analytical skills in the development of a capstone project of choice. The course provides group planning and support and guided individualized study. Students must be in their final year of the International Training and Education program (ITEP), and have clarified preliminary ideas with an ITEP advisor prior to enrolling. Usually offered every term. May be taken pass/fail only.

EDU-687 Analysis of Learning and Learners (3) This course examines the impact of direct individual and group support, instructional coaching, mentoring, critical thinking, and specialized instructional intervention on the learning process. The course provides teachers, instructional designers, curriculum specialists, administrators, and policy planners with theoretical and practical guidance and support to improve classroom teaching and learning. Current practices of teacher effectiveness are examined in the context of national standards for educational progress. Emphasis is placed on the role of critical thinking and action research, ongoing professional development for educators, and the application of research based on approaches to curriculum development and classroom instruction. *Note:* must be taken as part of the last 6 credits in the program.

EDU-690 Independent Study Project in Education (1-6) *Prerequisite:* permission of instructor and department chair.

EDU-693 Personnel and Program Evaluation (3) Develops the systematic skills needed to conduct evaluations of training and development programs in various educational and organizational settings. Usually offered every spring.

EDU-695 Urban Education Experience Internship (3) May be repeated for credit. Using an applied social justice framework, students participating in internships in cooperating school systems, colleges, and universities, and other educational agencies and organizations examine how broad social and political contexts impact urban teachers, students, families, and communities in various settings and seek strategies for community engagement and transformation. Usually offered every term.

EDU-699 Student Teaching Seminar in Professional Practice (6) (fall 2013: Student Teaching) Enrollment in this seminar is required in the semester students are completing their student teaching requirement. The class meets weekly for students to discuss their teaching experiences and to assist them in developing ideas and strategies to improve their classroom effectiveness. Preparation of a reflective case study and completion of a professional portfolio and an on-line journal are required. Usually offered every term. May be taken A-F only. *Prerequisite:* successful completion of relevant methods courses and practicum, satisfactory academic and professional performance as defined by the Teacher Education Committee and permission of the director of teacher education.

EDU-713 Advanced Training Program Design (3) This course models a variety of types of training such as diversity, health/behavior change, literacy, conflict resolution, small business, and youth and/or outward bound training. It focuses on skills building and discussion of strategies for co-facilitation, difficult participants, and misinformed needs analysis. The course is structured as a 'training practicum' though which students develop and conduct training exercises that are video taped and critiqued through class discussion. *Prerequisite:* EDU-642 or permission of instructor or program director.

EDU-719 The Uses of Technology in Education (3) An introduction to computer literacy focusing on the effective use of technology in teaching and educational management. The course emphasizes criteria for evaluating software; using technology for effective teaching; and applying technology to strengthen management systems. Also provides students hands-on experience with a broad range of software and practical experience in applying technology to teaching and management. Usually offered every fall.

EDU-760 Advanced Technology in Education (3) Students gain hands-on experience with current and emerging applications including system server architecture, application programming, product development, and project evaluation. Emphasis on informed, data-based decision making as a guide to identification, purchase, and assessment of expert services and equipment, and development of skills to enact and administer specific solutions. Meets with EDU-560. Usually offered every spring. *Prerequisite:* EDU-719 or permission of instructor.

EDU-765 Seminar in Educational Leadership (3) Analysis and integration of major theoretical approaches of educational leadership. Emphasis is on current research about educational leadership and critical examination of current issues and problems facing educational leaders. Usually offered every spring.

EDU-789 Qualitative Research in Education (3) Analysis of and practice in the design and development of qualitative educational research. Emphasizes the nature and function of educational research; the epistemological, social, and value assumptions and issues in educational research; the nature and function of specific approaches to qualitative research; attributes of exemplary qualitative research in education; and ethical concerns and principles. Usually offered every summer. *Prerequisite:* EDU-610.

EDU-790 Quantitative Research in Education (3) Analysis of and practice in the design of quantitative educational research. Emphasizes the nature and function of quantitative data gathering and analysis and the statistical approaches and techniques utilized to obtain particular outcomes. Usually offered every spring. *Prerequisite:* EDU-610.

EDU-792 In-Service Training Project: Internship in Education (3-9) Internships in cooperating school systems, colleges and universities, and other agencies and organizations as an integral part of degree programs in the School of Education. May be repeated for credit. Usually offered every term.

EDU-797 Master's Thesis Research (1-6) May be taken SP/UP only.

EDU-798 Proseminar in Education (1-2) School of Education, Teaching and Health full-time faculty present their own research to graduate students to demonstrate both the variety of disciplinary and methodological approaches to educational research, and to indicate the areas of their current research. Sessions are also devoted to a review of research and statistical methodologies. Usually offered every fall. May be taken pass/fail only. *Prerequisite:* permission of dean.

EDU-799 Doctoral Dissertation Seminar (1-9) Students with approved dissertation proposals continue their research, analysis, and writing in a learning environment which provides faculty supervision and peer support. Emphases include editing, organization, and analytic and interpretive techniques to complete a dissertation. Students may enroll for up to 3 credit hours prior to the dissertation proposal. May be taken pass/fail only. *Prerequisite:* advancement to candidacy.

Environmental Studies

Undergraduate Courses

ENVS-102 Seminar in Environmental Issues (1) This seminar for beginning environmental studies majors introduces students to the domain of environmental science as a discipline. The scientific, economic, and social issues underlying major environmental problems are presented through faculty and guest speakers, readings, and discussions. Usually offered every term.

ENVS-150 Sustainable Earth FA5 (4) This course examines the issue of sustainability; what it means, how it is measured, and how it can be used to address environmental challenges. In doing so, the course builds on the most current scientific understanding of how the natural world works.

ENVS-220 Energy and Resources FA5 (3) A survey of energy sources and other resources necessary for life. This course examines environmental issues related to air, water, land, food, and global climate change, as well as issues of resource utilization and competition for resources. Emphasis is placed on understanding the physics and chemistry of these environmental interactions and how they affect our quality of life. Usually offered every term.

382 Course Descriptions

ENVS-250 Living in the Environment FA5 (3) This course focuses on the natural world and how humans interact with and affect ecosystem components. The class examines conservation and management, the causes of pollution and potential solutions, and ethical and legal issues associated with environmental issues in order to provide well-supported outlines and justifications for each of the issues covered in the class. Usually offered every term.

ENVS-300 Conservation (3) This course examines conservation issues, especially as they relate to conservation of biodiversity. The course covers early conservation writing, the development of tools that are used in conservation, and the status of biodiversity. Usually offered every fall. *Prerequisite:* ENVS-250 or BIO-210, or permission of the instructor.

ENVS-324 Environmental Health (4) This course examines physical, chemical, and biological factors in the environment that impact community health and health behaviors. The concept and method of risk assessment are discussed, as well as how health-supportive environments can be created and maintained. Related laboratory work focuses on techniques used to assess air, water, and ground quality, as well as identifying environmental contaminants. Usually offered every spring. *Prerequisite:* BIO-110.

ENVS-350 Environmental Geology (3) This course examines important environmental phenomena strongly influenced by geology, including environmental acidification, sedimentation/weathering, fossil fuels, global warming and efforts at mitigation, plate tectonics, and biogeochemical cycles. The class also explores earthquakes, volcanoes, tsunamis, and other natural hazards. A focus of the course is geology as it relates to, or is impacted by, human activities. Usually offered alternate falls.

ENVS-360 Environment and the Atmosphere (3) Description and analysis of the physical phenomena of the earth's atmosphere. Mechanics, fluid dynamics, and thermodynamics of the atmosphere, quantitative analysis of climatic fluctuations and their impact on ecological and economic systems. Climatic changes and climatic control: ozone depletion and greenhouse gases. Usually offered alternate springs. *Prerequisite:* MATH-211 or MATH-221.

ENVS-390 Independent Reading Course in Environmental Studies (1-6) *Prerequisite:* permission of instructor and department chair.

ENVS-470 Water Resources (3) A study of the availability, quality, dynamics, and cycles of water. Emphasizes the hydrologic cycle and relevant atmospheric processes, subsurface movement of water, floods and droughts, drainage basin analysis, and factors affecting water quality. Meets with ENVS-670. Usually offered every spring.

ENVS-490 Independent Study Project in Environmental Studies (1-6) *Prerequisite:* permission of instructor and department chair.

ENVS-491 Internship in Environmental Studies (1-6) *Prerequisite:* permission of instructor and department chair.

ENVS-492 Senior Capstone in Environmental Studies (3) An in-depth examination of two major sites of environmental concern and controversy from a variety of scientific and social perspectives. One site, such as the Yellowstone Ecosystem, will be of national importance; and one, such as the Anacostia River, will be of local importance. Usually offered every fall. *Prerequisite:* senior environmental studies majors.

Graduate and Advanced Undergraduate Courses

ENVS-500 Ecohydrology (3) This course examines how hydrological processes at macro and watershed scales influence aquatic ecology. It also examines the influence of velocity, volume, flow path (e.g. overland, groundwater, pipe-flow), and water chemistry on stream biology/ecology. Emphasis is on freshwater and estuarine systems. Students are introduced to quantitative modeling of hydrological processes. Usually offered alternate falls.

ENVS-505 Energy (3) General overview of sources of energy and energy utilization with a focus on the relevant physical concepts, quantification and an emphasis on sustainability. Includes the definition of work, energy, and power; an examination of thermodynamics; different forms of energy and their interconversion; fossil, nuclear and alternative energy sources; and energy efficiency and conservation. Usually offered every spring. *Prerequisite:* ENVS-580.

ENVS-510 Climatology (3) This course investigates the physical and energetic exchange mechanisms within the atmosphere through time and space. Climate is examined by reconstructing the past and modeling future trends. Emphasis is placed on large-scale climate patterns, but the processes involved in storm front development also are explored. Topics covered include atmosphere-ocean interaction, wind circulation patterns, atmospheric water vapor and temperature, hurricane and tornado development, and the climate's impact on humans and their response to it. Usually offered alternate springs. *Prerequisite:* ENVS-580, ENVS-581, STAT-514, and STAT-515.

ENVS-520 Biogeochemistry (3) Description and analysis of the physical phenomena occurring on the earth. Earth as a dynamic planet; two major energy systems: hydrologic and tectonic systems. The relationship between geological changes and human activities: human activities change geological materials and processes on the earth, and natural processes and events affect society. *Prerequisite:* ENVS-580, ENVS-581.

ENVS-572 Topics in Conservation Biology (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics on current research in conservation biology, including habitat protection, ecosystem management, and captive breeding. Usually offered alternate springs. *Prerequisite:* BIO-423 or graduate standing, or permission of instructor.

ENVS-575 Environmental Risk Assessment (3) The nature and methods of environmental risk assessment through critical analysis of case histories. The scientific concepts and analytic methods of each case study are explored through solution to sets of specific problems. Case studies include statistical modeling of environmental risk factors, the principle of uncertainty, toxicology, epidemiology, the differing routes of exposure, types of technical risks, basics of decision analysis, and effective communication of risk assessment results. Usually offered every fall. *Prerequisite:* advanced undergraduate major or graduate student in environmental studies.

ENVS-580 Environmental Science I (3) This course starts with the history and overarching concepts of environmental science, and continues with a survey of aspects including population and demographics; agriculture and toxic substances; energy sources, energy utilization, and efficiency; water resources and pollution; local and regional air pollution; and ozone depletion and global warming/climate change. Examples are chosen with a current global perspective and an eye to policy debates. Usually offered every fall.

ENVS-581 Environmental Science II (3) This course covers the geological cycling of nutrients and elements that are heavily influenced by biological function as well as geochemical processes. The global geochemical cycles of oxygen, hydrogen, sulfur, nitrogen, carbon, etc. are broken down and quantified. The course also covers the origins of the biosphere, biogeochemistry of land and water, climate change scenarios, carbon sequestration, and environmental acidification. Current research articles addressing important areas of environmental science are presented, linking the science discussed in class with environmental policy decisions and debates. Usually offered every spring. *Prerequisite:* ENVS-580.

ENVS-582 Environmental Law (3) An overview of environmental law and environmental regulation for environmental scientists and environmental policy analysts. Usually offered alternate springs. *Prerequisite:* ENVS-580 and ENVS-581 or permission of instructor.

ENVS-590 Independent Reading Course in Environmental Studies (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

ENVS-670 Water Resources (3) A study of the availability, quality, dynamics, and cycles of water. Emphasizes the hydrologic cycle and relevant atmospheric processes, subsurface movement of water, floods and droughts, drainage basin analysis, and factors affecting water quality. Meets with ENVS-470. Usually offered every spring.

ENVS-681 Environmental Practicum (1-3) Faculty directed field or laboratory-based environmental science research. Students design and implement a research-intensive project with goal of producing a manuscript for a peer-reviewed publication. Usually offered every term. *Prerequisite:* ENVS-580 and ENVS-581.

ENVS-690 Environmental Science Research (1-3) Independent research projects in environmental science. Usually offered every term.

ENVS-691 Internship in Environmental Studies (1-3) *Prerequisite:* permission of instructor and department chair.

Business: Finance

Noncredit

FIN-085 Business Education for Practicing Physicians (0) This executive development education program provides business skills and knowledge to physicians. These skills include understanding and analyzing financial statements; evaluating investment proposals; dealing with management issues including hiring and firing and collective bargaining; regulatory compliance such as Health Insurance Portability and Accountability Act (HIPAA), Medicare, and Stark Regulations; medical record issues and information technology (PMS/EMR); insurer and reimbursement practices; and working in a practice versus being an employee.

Undergraduate Courses

FIN-200 Personal Finance and Financial Institutions FA4 (3) Provides the background for making personal financial decisions within a social and institutional context and developing future financial plans. Shows how to set financial goals, devise strategies to attain them, and understand the tradeoffs inherent in the decision making process. Includes cash flow control, banking, credit, taxes, financing houses and automobiles, insurance, investments, and estate planning.

FIN-201 Real World Investing and Applied Personal Finance (3) This course presents students a professional-level investment methodology that begins with investor goals and proceeds toward the choice of individual investments. The course provides students with alternative methods for successful investing as opposed to trading and focuses on active and passive approaches. The course assists students in life-long personal investing. *Prerequisite:* FIN-200.

FIN-365 Business Finance (3) Introduction to business finance, including global aspects, overview of money, and capital markets; financial analysis and time value of money; corporate securities, stock and bond pricing; acquisition and use of funds and cost of capital; capital budgeting. Also includes an introduction to portfolio diversification and asset pricing models. *Prerequisite:* ACCT-240 with a grade of C or better, ECON-200, and STAT-202.

FIN-390 Independent Reading Course in Finance (1-3) *Prerequisite:* permission of instructor and department chair.

FIN-391 Internship in Finance (1-6) Provides students with the opportunity to blend practical business work experience with academic study. The academic workload varies depending on the internship credit to be earned. *Prerequisite:* FIN-365 and permission of instructor.

FIN-460 Financial Modeling (3) This course provides students with decision-making skills derived from the ability to understand, perform, and interpret complex financial calculations and models used in finance. It presents the theory and practice of finance, emphasizing computer-based financial modeling, forecasting and the use of financial software applications to analyze the impacts of financial decisions. The course covers a variety of techniques, such as sensitivity and scenario analysis, optimization methods and Monte Carlo simulation. *Prerequisite:* FIN-365.

FIN-462 Private Wealth Management (3) This course focuses on methods of sound money management in preparation for Certified Financial Planner (CFP) certification. Students learn to prepare personal financial plans, evaluate and select management investments, analyze insurance, and use credit effectively; including mortgages. The course also covers financial strategies for tax minimization and retirement planning. The methodology is that of life-cycle planning and personal risk management. *Prerequisite:* FIN-365.

FIN-463 International Finance (3) Business finance in a global context. The structure and nature of the foreign exchange markets, including measuring and managing foreign exchange risk, hedging in an international context, the international monetary system, international corporate structure and aspects of financial operation of the multinational firm. The cost of capital and capital budgeting in an international context are also studied. Meets with IBUS-463. *Prerequisite:* FIN-365.

FIN-464 Financial Markets and Institutions (3) Topics covered include interest rates, risk and term structure, financial markets efficiency, fundamentals of financial and depository institutions, agency problems, financial regulation, and interest rate risk management. An integrated view of the participating institutions and the markets in which they operate, their investment constraints, and resulting portfolios. *Prerequisite:* FIN-365.

FIN-465 Derivative Securities (3) Analysis of debt and equity-based futures and options contracts and their underlying cash market instruments. Characteristics of derivative instruments markets. Pricing of derivative instruments. Speculative, hedging, and arbitrage uses of derivative instruments. Risk-return tradeoffs in speculation and hedging. Limited coverage of currency futures and options and exotic derivative instruments. *Prerequisite:* FIN-365.

FIN-466 Real Estate Principles and Transactions (3) Principles and practices of listing real property, agreement of sale, and the transfer of title or ownership and interests. Drawing documents, contracts, deeds, leases, financing and other instruments. Private and public property rights, liens, taxes, assessments, and other claims on real estate. Mathematical problems in investment real estate. Approved for the real estate salesperson examination. *Prerequisite:* FIN-365.

FIN-467 Mortgage Finance (3) Impact of the national economy on real estate; application of macroeconomics (GNP, consumer spending, inflation, interest rates, and other data) to housing and commercial property; mortgage market analysis, including ARMs and creative financing, secondary mortgage markets, MBSs, CMOs, and other new developments in real estate finance. *Prerequisite:* FIN-365.

FIN-468 Intermediate Corporate Finance (3) Investment, financing, and dividend-policy decisions of the financial manager. Case studies and problems are some of the tools used to enable the student to make and see the effects of financial decisions. *Prerequisite:* FIN-365.

FIN-469 Investment Analysis (3) Investment objectives. Methods of appraising corporate equity, debt, and other securities. Portfolio theory and management, technical analysis, random walk theory, and the role of institutional investors. Case studies and computer simulation are used. *Prerequisite:* FIN-365.

FIN-472 Fixed Income (3) The course develops the foundations for the analysis, trading, and use of fixed-income instruments, both cash and derivative securities. It revolves around the modeling of interest-rate and default risk, the pricing of various fixed-income products, and one-factor models of the yield curve. Students become familiar with yield curve calculus including duration and convexity, various segments of global fixed-income markets, the Bloomberg system for analyzing and trading fixed-income securities and their derivatives, one-factor models of the yield curve, financial innovations in fixed-income derivatives such as default swaps, and securitization. *Prerequisite:* FIN-365 and FIN-465 (may be taken concurrently), or permission of instructor.

FIN-475 Real Estate Management and Development (3) Property management, development, operation, and construction of physical real estate, including residential, industrial, office, hotel, and retail. Development investment strategies including land-use planning, zoning, entitlement, and coordination of construction, and valuation of land, including real options. Operation and management of property, including issues of agency and self-selection, tenant selection, retention, and management. *Prerequisite:* FIN-365.

FIN-490 Independent Study Project in Finance (1-3) *Prerequisite:* FIN-365 and permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

FIN-573 Corporate Valuation and Financial Strategy (3) Examines ways to increase firm value through corporate restructuring. Includes the theoretical background on restructuring, valuation techniques, mergers, acquisitions, spin-offs, divestiture activities, LBOs, and financial distress. Reviews theory and practice through case analysis and emphasizes valuation analysis and the role of financial markets in each area. *Prerequisite:* FIN-365 and FIN-468 or FIN-469, or FIN-614, or permission of instructor.

FIN-574 Quantitative Methods in Finance (3) Students gain an understanding of applied econometric models typically used in finance to become familiar with techniques for analyzing real-world financial and economic research. The course includes conducting empirical research, data sources, univariate tests, multivariate regression, portfolio concepts, and other research applications. *Prerequisite:* FIN-365 and FIN-468 or FIN-469, or FIN-614, or permission of instructor.

FIN-575 CFA Level I Intensive Review (3) This course provides an intensive review to help students prepare for the Chartered Financial Analyst (CFA) Level I examination. Includes ethical and professional standards, quantitative methods, economics, financial reporting and analysis, corporate finance, portfolio management, securities markets and equity investments, fixed income investments, derivatives, and alternative investments. *Prerequisite:* senior or graduate standing.

FIN-576 Student-Managed Investment Fund (1-3) May be repeated for credit but not in the same term. The Student Managed Investment Fund (SMIF) is a collaborative class that provides valuable, real-time experiential learning in securities analysis and portfolio management. Students learn equity valuation and portfolio management techniques and tools to demonstrate practical knowledge in research, investing, portfolio management, and the dynamics of equity markets. *Prerequisite:* FIN-469 or FIN-672, and permission of instructor.

Graduate Courses

FIN-605 Managerial Economics and Corporate Strategy (3)

Basic economic tools and concepts are presented in the context of addressing managerial decisions related to firm strategy. Topics covered include demand and supply, pricing policies, market structures, and appropriate responses to macroeconomic policies and outcomes as they apply to private business, government agencies, and non-profit organizations. Students learn basic economic concepts and how to apply them in many different market situations.

FIN-614 Financial Management (3) Financial theory and techniques of analysis, including valuation theory, theories of risk measurement, managing the firm's investment decisions, cash distributions, and capital structure, sources of financing for the firm and financial planning and analysis. *Prerequisite:* ACCT-607, FIN-605, and ITEC-610.

FIN-630 Financial Analysis of the Firm: Concepts and Applications (3) This course presents finance and accounting concepts as management tools. It covers financial theory and techniques involving time value of money, valuation, and risk measurement and students develop an understanding of a firm's investment decisions and financing practices. The course also cover underlying concepts from accounting and their role in management and valuation, with additional topics from economics and statistics included as needed. Students gain a general understanding of financial and accounting concepts and principles as they relate to making basic management decisions for a firm in the areas of valuation, financial planning and investment.

FIN-660 Financial Modeling (3) This course provides students with decision-making skills derived from the ability to understand, perform, and interpret complex financial calculations and models used in finance. It presents the theory and practice of finance, emphasizing computer-based financial modeling, forecasting and the use of financial software applications to analyze the impacts of financial decisions. The course covers a variety of techniques, such as sensitivity and scenario analysis, optimization methods and Monte Carlo simulation. *Prerequisite:* FIN-614.

FIN-665 Quantitative Methods in Finance I (3) In this course students gain an understanding of applied econometric models typically used in finance to become familiar with techniques for analyzing real-world financial and economic research. *Prerequisite:* FIN-614 and STAT-514 or permission of program director or instructor.

FIN-666 Quantitative Methods in Finance II (3) This course is the second in a two-course sequence covering the application of statistical and quantitative methods of analysis to financial data. In this course, students extend their understanding of applied econometric models covered in Quantitative Methods in Finance I to time-series data limited dependent variable models and hazard models. *Prerequisite:* FIN-665.

FIN-671 Advanced Financial Management (3) This course builds on the fundamental concepts introduced in FIN-614 Financial Management. Topics covered include capital budgeting; asset valuation, capital structure, payout policy, risk management, short-term asset management, and other topics appropriate to current financial issues. The course combines in-class lectures, online material, and case studies. *Prerequisite:* FIN-614.

FIN-672 Investment Analysis and Portfolio Management (3)

The purpose and operations of security markets; investment instruments and their characteristics; introduction to portfolio and capital market theory; theory of valuation, bonds, and the term structure of interest rates; options, commodity and financial futures; investment companies; and international investments. *Prerequisite:* FIN-614.

FIN-674 Derivatives and Risk Management (3) A comprehensive study of equity and debt-based futures with other derivative instruments given secondary consideration. Characteristics of exchanges and market participants. Pricing of derivative instruments. Hedging, speculative, and arbitrage applications of derivative instruments are analyzed. *Prerequisite:* FIN-614.

FIN-677 Financial Statement Analysis (3) This course explores the use of financial statement information by investors and analysts as a basis for understanding a firm's current performance, assessing its future prospect and valuing ownership and other claims. The focus is on use of accounting information for equity valuation, but other applications are also considered. Meets with ACCT-677. *Prerequisite:* ACCT-607 and FIN-614, or equivalent with permission of the chair of the Department of Finance and Real Estate.

FIN-681 Financial Intermediation in Emerging Markets (3) Nations are increasingly turning to free capital markets and to intermediate resources to finance their development. This course examines the specific contributions that financial markets and institutions can make in reaching their goals of economic growth and development. *Prerequisite:* FIN-614.

FIN-683 Financial Institutions Management (3) (fall 2011: Modern Financial Markets and Institutions) This course introduces the institutions and markets that form the worldwide economic system of trading financial and real assets. Students cover concepts of financial theory; institutional detail; regulations; and the history of the financial markets. The course provides an overview of the financial world and the markets' primary participants. *Prerequisite:* FIN-614.

FIN-684 Fixed Income Analysis (3) This course provides an introduction to the analysis of bonds and other fixed-income assets. Students study liquidity management, risk measurement and management, and portfolio analysis and management. *Prerequisite:* FIN-614.

FIN-685 Topics in Finance (1.5-3) Topics vary by section, may be repeated for credit with different topic. Rotating topics of special interest in finance and related interdisciplinary topics.

FIN-687 Corporate Governance (3) This course examines the relationship between managers and shareholders, and the processes and systems that investors use to ensure that managers act in the best interests of the firm's owners. The course covers issues including boards of directors, executive compensation, ownership structure, etc., and uses a combination of readings and case studies. *Prerequisite:* FIN-614.

FIN-690 Independent Study Project in Finance (1-6) *Prerequisite:* permission of instructor and department chair.

FIN-691 Internship in Finance (1.5) May be taken pass/fail only. *Prerequisite:* permission of instructor and department chair.

FIN-700 International Finance (3) Financial operation of the multinational firm, including the sources of funds, foreign investment decisions, and international transactions and taxation. Also included is a study of the related aspects of the international monetary system; foreign exchange markets; measuring and managing foreign exchange risk; and international banking. Meets with IBUS-700. *Prerequisite:* FIN-614.

Art: Graphic Design

Undergraduate Courses

GDES-200 Visual Communication Design FA1 (3) Students engage in hands-on design practices, develop creative thinking strategies, and devise solutions to visual communication design challenges. The course familiarizes students with visual principles, essential software, and techniques that serve the basic designer needs. Students also develop fluency in the principles of visual language to form a basis of aesthetic judgment and develop methods of analysis and inquiry for creative thinking. Students combine in-studio practice with class critiques of work, software tutorials, and supporting lectures. Usually offered every term.

GDES-210 Typography I: Visible Language for Publications and Media (3) Students explore creative, historical, theoretical, and applied principles of type. Through creative projects and exercises, students also explore the communicational impact of choosing typefaces, the expressive possibilities of type in static and kinetic media, as well as the foundations for hierarchy and composition for publication design. Students develop skills to enhance, clarify, and support meaning and the accessibility of typographic content. Combines creative studio practice with supporting readings, lectures, and software training. Usually offered every term.

GDES-220 Digital and Emerging Media Design I (3) Students develop applied creative projects and acquire technical skills to become adept at essential software, design principles and practices for screen-based digital and emerging media. Students also learn foundations of front-end web coding such as HTML and CSS, and develop technical problem solving and organizational skills. Course lectures address the cultural backdrop of the Internet as it applies to design.

GDES-230 Graphic Design History: Visual Culture, Commerce, and Propaganda FA1 (3) Graphic images have been used from prehistory to the computer age. A lecture-discussion format presents the historical context for the graphic arts of calligraphy, typography, book design, diagramming, and illustration. Emphasis on the relationship of these applied arts to the fine arts, technology, and social history, as well as the application of this visual language to contemporary design problems. Usually offered every term.

GDES-300 Typography II: Type and Image (3) Students create typographically focused design solutions to design challenges, and explore the relationship between type and image across print and digital media. The course emphasizes ideation of sophisticated design combining visual and verbal elements, as well as the development of advanced publication layout skills, grid-based typographic structures, and information design. Usually offered every fall. *Prerequisite:* GDES-200, GDES-210, GDES-220, and COMM-330.

GDES-310 Design for Print: Digital and Analog Print Production (3) Through a series of creative design projects, the course places emphasis on the technical procedures that translate graphic design from an idea to a printed piece as well as on attaining proficiency in the use of print-related software. Includes development of comprehensive sketches, pre-press preparation, color separation, and printing procedures. The course includes lectures, studio projects, and local field trips. Usually offered every term. *Prerequisite:* GDES-200, GDES-210, GDES-220, and COMM-330.

GDES-315 Digital and Emerging Media Design II (3) This course prepares students for the world of professional web design. Through creative hands-on projects, exercises, and lectures, students learn to conceptualize, design, and deploy successful web sites for clients. Course topics include intermediate web design concepts such as interface design, usability principles, web typography, information architecture, compliant front-end HTML, CSS, and JavaScript code. Usually offered every term. *Prerequisite:* GDES-200, GDES-210, GDES-220, and COMM-330.

GDES-320 Visual Concepts and Image Making for Design (3) Through a combination of digital and analog media, students create applied design projects integrating photography as an image-making tool to convey ideas and to generate original images. The course emphasizes image-based concept development, sketching, planning, and realization of photo-shoots, and the development of art direction skills. Usually offered every spring. *Prerequisite:* GDES-300.

GDES-325 Kinetic and Sequential Graphics (3) Students explore the application of typographic, compositional, and conceptual design principles in the context of time and sequence. Students develop advanced skills in the creation of kinetic typography and graphics applied to design challenges including identity, information, and conceptual expression, whether for linear or interactive sequential design. Usually offered every spring. *Prerequisite:* GDES-300.

GDES-350 Illustration (3) Students explore illustration as a communicational concept delivery tool. From basic black-and-white techniques, including representational drawings and pictograms, to complex color, collage, and mixed media. Usually offered every spring. *Prerequisite:* graphic design major or minor, and ARTS-205 or ARTS-210 or ARTS-215.

GDES-390 Independent Reading Course (1-6) *Prerequisite:* permission of instructor and department chair.

GDES-400 Advanced Design I: Visual Branding and Design Systems (3) This course invites students to develop complex, multi-component design projects focused on building visual and conceptual aspects of branding and identity for a variety of applications. Projects also involve the articulation of design systems through environmental, promotional and collateral graphics, and other design systems. Studio practices allow students to mature their professional, organizational, and presentation skills. Usually offered every fall. *Prerequisite:* GDES-320.

GDES-405 Experience Design: Interactive Media and Mobile Devices (3) This course introduces students to design elements and techniques for mobile applications. Through hands-on projects, exercises, and supporting lectures, students conceptualize, design, prototype, and execute interactive experiences for portable digital devices. The creative projects emphasize developing the ability to clearly articulate complex information architecture while producing compelling and vibrant user interfaces. Usually offered every fall. *Prerequisite:* GDES-315 and GDES-325.

GDES-420 Advanced Design II: Publication Design for Print and Digital Media (3) Students engage in the research, conceptualization, design, and execution of complex design projects with concentration in editorial and publication design, book design, and other comprehensive narrative and editorial design challenges. Students also devote time to preparation of senior portfolios. Usually offered every spring. *Prerequisite:* GDES-400.

GDES-425 Interactive Experience Design: Senior Projects (3) Students explore advanced topics in interactive and experience design through creative projects. Students conduct semester-long applied research resulting in a series of cohesive works that explore effective and meaningful uses of technology for creating engaging interactive experiences. Supporting course lectures address current issues and trends in the field, while lab work sessions cover required technical skills. Interdisciplinary inquiry and creative experimentation are highly encouraged. Usually offered every spring. *Prerequisite:* GDES-405.

GDES-450 Packaging Design (3) Development of three-dimensional design solutions related to the presentation of objects and products. Students explore structural, production, and communicational aspects of packaging. Usually offered every spring. *Prerequisite:* GDES-300 or permission of department.

GDES-490 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

GDES-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

General Education

Undergraduate Courses

GNED-110 General Education Area 1 Topic (1-3) Special topics offered periodically for General Education credit in Foundational Area 1.

GNED-120 General Education Area 2 Topic (1-3) Special topics offered periodically for General Education credit in Foundational Area 2.

GNED-130 General Education Area 3 Topic (1-3) Special topics offered periodically for General Education credit in Foundational Area 3.

GNED-140 General Education Area 4 Topic (1-3) Special topics offered periodically for General Education credit in Foundational Area 4.

GNED-150 General Education Area 5 Topic (3) Special topics offered periodically for General Education credit in Foundational Area 5.

GNED-210 General Education Area 1 Topic (3) Special topics offered periodically for General Education credit in Foundational Area 1.

GNED 2125 Sophomore Seminar Areas 1 2 5 (3) Special interdisciplinary topics offered periodically. Fulfills General Education requirement in Areas 1, 2 or 5.

GNED-213 Sophomore Seminar Areas 1 3 (3) Special interdisciplinary topics offered periodically. Fulfills General Education requirement in Areas 1 or 3.

GNED-2134 Sophomore Seminar Areas 1 3 4 (3) Special interdisciplinary topics offered periodically. Fulfills General Education requirement in Areas 1, 3 or 4.

GNED-220 General Education Area 2 Topic (3) Special topics offered periodically for General Education credit in Foundational Area 2.

GNED-230 General Education Area 3 Topic (3) Special topics offered periodically for General Education credit in Foundational Area 3.

GNED 234 Sophomore Seminar Areas 3 4 (3) Special interdisciplinary topics offered periodically. Fulfills General Education requirement in Areas 3 or 4.

GNED-240 General Education Area 4 Topic (3) Special topics offered periodically for General Education credit in Foundational Area 4.

GNED-250 General Education Area 5 Topic (3) Special topics offered periodically for General Education credit in Foundational Area 5.

Government

Undergraduate Courses

GOVT-102 Selected Topics in Leadership (1-3) Topics vary by section, may be repeated for credit with different topic. Analyses of topics in leadership in a global era, with special attention to law and justice, politics and political reform, and civil and human rights. Usually offered every summer. *Prerequisite:* permission of department.

GOVT-105 Individual Freedom vs. Authority FA2 (3) The study of major philosophical discussions of the conflict between individual freedom and authority with analysis of the relation between this conflict and the problem of organizing a government. Usually offered every term.

GOVT-110 Politics in the United States FA4 (3-4) Study of major philosophical concepts that shaped government in the United States combined with an analysis of contemporary political institutions and behavior, focusing on the American governmental system. Four-credit sections include Washington laboratory experiences. Usually offered every term.

GOVT-130 Comparative Politics FA3 (3) How different societies, both Western and non-Western, have approached the political problems of order and responsiveness. The relationships, in a cross-cultural perspective, between the individual and the state; social and economic processes; culture and behavior. Usually offered every term.

GOVT-165 How Washington Works (3) An introductory overview of the basic features of the U.S. political system, with an emphasis on how they affect the decision-making process in Washington, D.C. It examines both the formal branches of government—Congress, the presidency and executive, and judiciary—and non-formal actors including interest groups and lobbyists, the press and other media, and policy research and advocacy institutions, as well as the role of foreign embassies and international organizations. No credit for Government or CLEG major requirements.

GOVT-210 Political Power and American Public Policy FA4 (3) Introduction to political power and how the domestic policy process works; how to evaluate American domestic policy; and the content of several major domestic policies such as energy, environment, health, education, welfare, economic stability, labor, and justice and social order. Usually offered every term.

GOVT-220 The American Constitution FA4 (3) This course focuses on the major aspects of American constitutional law and development: the separation of powers in the American political system; the distribution of power between the federal government and the states; government power to regulate economic and property interests; and development of civil rights and liberties. Some of the most important decisions the Supreme Court has made across the spectrum of constitutional law are examined, and the relationship between law, politics, and society is also explored. Usually offered every term.

GOVT-226 The Constitution, Presidential Power, and the War on Terror (3) This course uses lessons from the U.S. historical record to inform consideration of the tension between government power and individual rights in the twenty-first century and especially since September 11, 2001. The course begins with case studies of expanded U.S. government power during times of crisis, including the Civil War, World Wars I and II, the Cold War, and the Nixon presidency. The course then focuses on the ways in which executive power expanded during the War on Terrorism and on the question of whether new presidential administrations will change course, or might be required to change course. Usually offered every term.

GOVT-231 Third World Politics (3) Political order and change in selected countries in Africa, Latin America, and Asia, emphasizing nation building, ideology, development, and the role of the military. Usually offered every fall and spring. *Prerequisite:* GOVT-130.

GOVT-232 Politics of Postindustrial Societies (3) Comparative study of participation, public policy, and policymaking in postindustrial societies. The effects of technology and science on values and social change. Usually offered every term. *Prerequisite:* GOVT-130.

GOVT-235 Dynamics of Political Change FA3 (3) Theoretical perspectives on political change together with case studies of societies in which the status quo has broken down. Emphasis on the political, cultural, social, and psychological aspects of domestic crisis and revolution, with the objective of increasing awareness and appreciation of other nations and their struggles. Usually offered every term.

GOVT-240 Metropolitan Politics (3) The growth of cities and metropolitan areas. Evolution of the city and its surrounding areas as a focus of public policy. Analysis of decision making techniques, intergovernmental relations, and ethnic politics. Implications of financial resources and suburban attitudes on metropolitan politics and policy making. Usually offered every term.

GOVT-282 Introduction to Women and Politics (1) This course is an intensive introduction to women and politics. Students in the course gain an understanding of the historical struggle of women for political, economic, and educational rights, as well as the major actors who were or continue to be involved in these efforts. Usually offered every fall.

GOVT-310 Introduction to Political Research (3) An introduction to political science research, including the logic of analysis, research design, and the basics of quantitative analysis. Application of gathering data and of analytic and statistical techniques to contemporary political problems. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-315 Elections and Voting Behavior (3) The role of public opinion, interest groups, social movements, and political parties in plural societies. Problems in political participation, communication, representation, and leadership. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-320 The Presidency (3) The role of the presidency in the political system, including presidential power, personality, response to public opinion, interaction with the cabinet and bureaucracy, Congress, and political parties. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-321 Congress and Legislative Behavior (3) Congressional behavior, Congress as an institution, and the role of Congress in policymaking. Includes field research on Capitol Hill. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-322 American Political Parties (3) Party organization, the party in the electorate and government, party reform, and the future of American parties. Research on parties in Washington. Usually offered every spring. *Prerequisite:* GOVT-110.

GOVT-323 Interest Group Politics (3) Students are introduced to central concepts of interest group politics to prepare for effective citizenship whether as an interested voter, professional lobbyist, elected official, or political consultant. The course examines why individuals organize to influence governmental policies, the variety of interests represented, and the range and effectiveness of strategies employed. It focuses on the effects of individual preferences, governmental structure, and the political environment on group strategies and governmental response. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-325 Minority Politics in the United States (3) Topics vary by section, may be repeated for credit with different topic. How various minority groups have shaped the American political system, and how American political structures have affected their involvement in the political process at the local, state, and national levels. Usually offered every spring. *Prerequisite:* sophomore standing.

GOVT-326 History of the Conservative Movement: 1945-Present (3) This course analyzes the dramatic rise of the conservative movement from 1945 to the present, exploring how what largely started as a marginalized movement of ideas became a powerful political force in American politics. The course focuses on the conservative movement's political history, intellectual foundations, and public policy objectives. Usually offered every fall. *Prerequisite:* sophomore standing.

GOVT-333 Government and Politics of the European Union (3) Offered as part of the AU Abroad program in Brussels, Belgium, this course is an in-depth study of the governance, politics, and evolution of the European Union (EU). It studies the EU's institutions, and the dynamics of its internal and external policy-making processes. In this course, students learn about the structure and powers of all of the EU institutions, how these institutions interact with each other and with the member states, and the dynamics of the EU's legislative and policy processes. Students also examine the process of accession for the countries of Central and Eastern Europe, discuss the EU's emerging Common Foreign and Security Policy, and consider what the evolution of the EU means for the rest of the world.

GOVT-334 Modern British Politics (3) Offered as part of the AU Abroad London Semester. An introduction to institutions of politics and government in Britain and how its constitutional monarchy and parliamentary system have evolved. How politics are practiced and power is distributed between institutions, parties, and individuals. Considers the relationship between politics and other aspects of British society and the major contemporary issues in British politics. Usually offered every term.

GOVT-335 Democratization, Participation, and Social Movements (3) The background and major issues of twentieth century political thought; the concept, nature, and functions of ideology; and major contemporary doctrines. Usually offered every fall.

GOVT-350 Constitutional Law I: Powers and Federalism (3) The nature of constitutionalism and the role of constitutional interpretation; judicial power and review. Supreme Court decisions and their effect on the development of the American political system. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-351 Constitutional Law II: Civil Rights and Liberties (3) An exploration of the constitutional evolution of the law of civil rights and liberties, and the social and political context in which the law is made. Emphasis is on the Supreme Court's major decisions that have defined the laws of free speech, religion, equality, privacy, and the death penalty. Usually offered every spring. *Prerequisite:* GOVT-220 or GOVT-350.

GOVT-352 Law and the Political System (3) Basic concepts of law and the American legal system. Analysis of the role of courts in the policy-making process. Problems of law enforcement and the correctional system. Usually offered every term.

GOVT-361 Laboratory in Leadership Development I (1) Structured and unstructured exercises, including community service activities, to increase students' understanding of leadership and the role of leaders in the public policy-making process, and develop their personal leadership skills in communication, group dynamics, value clarification, the development of vision, managing emotions in leadership situations, bargaining and negotiation, and the relationship of personal growth to leadership roles and functions. Usually offered every fall and spring. Leadership Program students take the course both fall and spring of their first year. *Prerequisite:* permission of director of SPA Leadership Program.

GOVT-362 Laboratory in Leadership Development II (1) An advanced leadership development course that consists of structured and unstructured exercises designed to increase students' understanding of leadership and the role leaders play in the public policy-making process. Usually offered every fall and spring. Leadership Program students take the course both fall and spring of their second year. *Prerequisite:* GOVT-361 or permission of director of SPA Leadership Program.

GOVT-370 Formation and Implementation of Environmental Policy (3) An introduction to the issues, institutions, and processes that determine environmental policy in the United States. Environmental policy formation, implementation by administrative agencies, and the resolution of environmental disputes. Usually offered every fall. *Prerequisite:* GOVT-210.

GOVT-390 Independent Reading Course in Government (1-6) *Prerequisite:* permission of instructor and department chair.

GOVT-391 Internship (1-6) Internships with interest groups, congressional offices, and government agencies. Weekly seminar. *Prerequisite:* second-semester sophomore standing, GOVT-210, GOVT-321, or PUAD-260, and permission of department.

GOVT-403 Ancient Political Thought (3) An in-depth approach to political philosophy beginning with the pre-Socratics and extending through the Platonic dialogues, Aristotle, and Roman civil law. Meets with GOVT-603. Usually offered every fall. *Prerequisite:* GOVT-105.

GOVT-405 Modern Political Thought (3) Works of major political theorists from the sixteenth to the twentieth century and their application to current questions of theory and method. Included are Machiavelli, Hobbes, Locke, Montesquieu, Rousseau, Mills, Hegel, Marx, and others. Meets with GOVT-605. Usually offered every spring. *Prerequisite:* GOVT-105.

GOVT-406 American Political Thought (3) Concepts and theories on the nature and operation of American politics and government. Meets with GOVT-606. *Prerequisite:* GOVT-105.

GOVT-408 The Idea of America in European Political Thought: 1492-Present (3) From the "discovery" of America until today; this course examines what America has meant to thinkers from the Old World. It includes Columbus' discovery; views of the Indians; the Enlightenment's idealization of America as nature; reactions to the American Revolution; twentieth-century critiques of America as overly technological; and reactions to 9/11. Meets with GOVT-608. *Prerequisite:* GOVT-105 or permission of instructor.

GOVT-409 Contemporary Political Thought (3) This course examines important works in political theory from the late nineteenth/early twentieth century to the present, with a view to the major upheavals that distinguish this era. Themes addressed include Marxism, fascism/totalitarianism, liberalism, conservatism, communitarianism, libertarianism, postmodernism, and others. Meets with GOVT-609. Usually offered every spring. *Prerequisite:* GOVT-105 or permission of instructor.

GOVT-410, GOVT-411 Washington Semester in American Government and Politics Seminar I (4), II (4) Students study the U.S. government in action through seminars, conferences, lectures, and guided seminar evaluations of experience. Usually offered every term. *Prerequisite:* admission to program.

GOVT-412 Washington Semester in American Government and Politics Research Project (4) An individual report prepared under the guidance of the academic directors of the program. Usually offered every term. *Prerequisite:* admission to program. *Co-requisite:* GOVT-410/411.

GOVT-416 Washington Semester in American Government and Politics Internship (4) *Prerequisite:* admission to program.

GOVT-417, GOVT-418 Transforming Communities Seminar I (4), II (4) The interdisciplinary Washington Semester in Transforming Communities seminars introduce students to community issues through lectures, guest speakers, and site visits to community-based and government organizations at the front lines of community transformation. Issues discussed include housing, business development, community safety, social policy, and education. Meets with JLS-464/JLS-465. Usually offered every term. *Prerequisite:* admission to program.

GOVT-419 Transforming Communities Research Project (4) Students in the Washington Semester in Transforming Communities complete an original research project on an issue related to policy or grassroots activism. Usually offered every term. *Prerequisite:* admission to program.

GOVT-420 Transforming Communities Internship (4) Washington Semester in Transforming Communities public or private sector internships in either policy making or project planning. Usually offered every term. *Prerequisite:* admission to program.

GOVT-423 Advanced Studies in Public Policy (3) Topics vary by section, may be repeated for credit with different topic. Seminars on such topics as hunger, poverty, housing, education, job training, healthcare, unemployment, welfare, and conservation. Usually offered every fall and spring. *Prerequisite:* GOVT-210.

GOVT-432 Political Institutions and Processes in Selected Countries (3) Topics vary by section, may be repeated for credit with different topic. The nature of political institutions and processes of specific countries, such as Great Britain, Germany, France, the former Soviet Union, Israel, Iran, Greece, India, Turkey, and Mexico. *Prerequisite:* GOVT-130 or GOVT-231 or GOVT-232.

GOVT-433 Topics in Sub-Saharan African Politics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics course examine the political development of African states south of the Sahara Desert and the nature of politics in Sub-Saharan Africa generally and by country. Usually offered alternate falls.

GOVT-436 Formation of Federal Indian Policy (3) Offered as part of the Washington Internships for Native Students (WINS) program. The development of American Indian/Alaskan Native public policy, starting with an overview of international legal and theological underpinnings from early Colonial to the present time. Includes study of the Constitutional arguments for Congressional plenary power over Indian affairs, and review of the treaty-making, allotment, termination, Reorganization Act, and self-determination eras of Federal Indian policy, concluding with contemporary legislation such as the Indian Gaming Regulatory Act and Indian Child Welfare Act. Usually offered every summer. *Prerequisite:* admission to WINS program.

GOVT-438 North American Politics (3) An introduction to the comparative study of national politics in Canada, Mexico, and the United States, with consideration of national-level policy changes in each country related to the increasing integration of North America, especially since the implementation of the North American Free Trade Agreement (NAFTA). This course considers integration of a unified North American political, economic, and social identity. While focusing mostly on comparing domestic political processes and institutions across the nations, the course concludes with implications for regional integration. Usually offered alternate falls. Meets with GOVT-638.

GOVT-455 Equal Protection (3) Examination of the evolution of federal civil rights law and modern interpretations of the major statutory and constitutional provisions that guarantee equal protection. Emphasis is on constitutional development under the Fifth and Fourteenth Amendments and major congressional legislation that bans discrimination in employment, education, housing, etc., based on race, ethnic origin, gender, religion, and color. Also examines emerging legal developments intended to prohibit discrimination on the basis of sexual orientation and physical or mental disability. Usually offered every fall. *Prerequisite:* GOVT-215 or GOVT-350.

GOVT-460 Political and Organizational Leadership (3) Examines major theories and research in public leadership, with emphasis on American political and administrative institutions. Case studies of leaders and leadership in complex public organizations. Relative impact of personality and organizational factors in leadership development. Emphasis on students' awareness of their own leadership style and development potential. Usually offered every fall. *Prerequisite:* admission to SPA Leadership Program.

GOVT-461 Politics in the Television Age (3) The relationship between television and American politics. Includes the concept of news; the changing role of television; the politics of newsmaking; the election campaign and the emergence of the political consultant; "tele-diplomacy"; and research tools for analyzing television news. Usually offered every term. *Prerequisite:* GOVT-110.

GOVT-464 Politics and Policy in the Electronic Age (3) This course examines the impact technology, especially the Internet, has on the American political system. Specifically, students evaluate how technology impacts subsystems including interest groups, Congress, and executive agencies. The class focuses on real-world applications of technology in politics through guest speakers and site visits. Usually offered every summer and fall. Meets with GOVT-664.

GOVT-465 Politics and the Internet (3) This course examines the history and evolution of the Internet; its impact on our daily lives; and the various ways in which the Internet has embedded itself into the political landscape. The course also looks at the impact of the Internet on the media and reaching constituents as a two-way medium. Meets with GOVT-665. Usually offered every summer.

GOVT-469 Media and Political Intervention: Vietnam to Iraq (3) This course explores media's impact on the political decisions of the United States to intervene militarily in Vietnam, Grenada, Panama, Somalia, Haiti, Bosnia, the Persian Gulf, Afghanistan, and Iraq. The class examines the relationship between policy makers and journalists to determine how they use and/or help one another to achieve their respective objectives, and the role of public opinion. Usually offered every spring. *Prerequisite:* junior or senior standing.

GOVT-480 Honors Senior Seminar in Political Science I (3) A capstone experience for honors students in Political Science and CLEG. Designed to facilitate the integration of knowledge in the field of political science. Development and oral defense of significant research projects. Usually offered every fall. *Prerequisite:* GOVT-310 and permission of instructor.

GOVT-481 Honors Senior Seminar in Political Science II (3) A capstone experience for honors students in Political Science and CLEG. Designed to facilitate the integration of knowledge in the field of political science. Development and oral defense of significant research projects. Usually offered every spring. *Prerequisite:* GOVT-310 and permission of instructor.

GOVT-482 Women and Politics (3) This course examines the evolutionary role of women in politics—as voters, citizens, candidates, and leaders—from the Seneca Falls Convention to the present. The role of women's organizations and movements in the expansion of political and legal rights are also explored. Usually offered every term. Meets with GOVT-682. *Prerequisite:* GOVT-110.

GOVT-483 Women, Politics, and Public Policy (3) A wide variety of issues of concern to women, including healthcare, welfare, educational equity, employment discrimination, and reproductive rights are examined through the lens of the formal policy-making process. Meets with GOVT-683. *Prerequisite:* GOVT-110.

GOVT-484 Women and Political Leadership (3) This course explores the historical evolution of women as leaders, the factors that have limited the number of women in leadership positions, and the differences in men's and women's leadership styles. Meets with GOVT-684. *Prerequisite:* GOVT-110.

GOVT-485 Topics in Women and Politics (1-4) Topics vary by section, may be repeated for credit with different topic. Topics include reproductive rights, women's health policy, women and campaigns, women in the media, and Title IX. Usually offered every term. Meets with GOVT-685. *Prerequisite:* GOVT-110.

GOVT-486 Feminist Political Theory (3) This course traces the major debates in feminist political theory and their roots in liberalism, communitarianism, Marxism, post-modernism, and other schools of thought and examines the ways in which feminist political theory can inform current policy debates concerning women. Usually offered every fall. Meets with GOVT-686. *Prerequisite:* one course in political theory, philosophy, or women's and gender studies, or permission of instructor.

GOVT-489 CLEG Seminar (3) Selected topical issues cutting across the disciplines of communication, law, economics, and political science. Primarily for CLEG (Communication, Legal Institutions, Economics, and Government) majors. Examples of issues are communication law and regulation, First Amendment rights and the media, and United States trade policy. Usually offered every spring.

GOVT-490 Independent Study Project in Government (1-6) *Prerequisite:* permission of instructor and department chair.

GOVT-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

GOVT-492 Seminar for Teaching Assistants (3-4) Exclusively for those who serve as teaching assistants in the Washington Laboratory, this course focuses on curriculum planning, group dynamics in classroom and field trip settings, role differentiation, and evaluation of student performance. Enhances leadership and communication skills. Usually offered every fall. *Prerequisite:* permission of instructor.

Graduate and Advanced Undergraduate Courses

GOVT-020 Campaign Management Institute (0) Noncredit option for the Campaign Management Institute, a two-week intensive course on major aspects of political campaigning. Student teams present a simulated campaign plan to a professional panel. May be taken pass/fail only. *Prerequisite:* introductory course in government.

GOVT-023 The Art and Craft of Lobbying (0) Noncredit option for two-week intensive institute in major aspects of professional lobbying and influencing the policymaking process. Student teams directed by mentors drawn from the lobbying profession present a simulated lobbying plan to a professional panel. May be taken pass/fail only. *Prerequisite:* introductory course in government.

GOVT-520 Advanced Studies in Campaign Management (4) The Campaign Management Institute (CMI) is a nationally-recognized program designed to train individuals for participation in local, state, and federal political campaigns. Developed and taught by strategists from the Republican and Democratic parties, national campaign consultants, and political scientists, the intensive two-week program serves as a valuable foundation for political activists and campaign managers. The institute comprehensively covers campaign techniques, strategy, and tactics with emphasis on technological developments. Student teams develop a campaign plan and present it to a professional panel. *Prerequisite:* GOVT-110 or GOVT-620.

GOVT-521 Topics in Campaign Management (1) Topics vary by section; may be repeated for credit with different topic. One-credit hour advanced workshops conducted by campaign professionals are offered in areas such as campaign media production and strategy; campaign fundraising; get-out-the-vote; and election analysis. Usually offered every term. *Prerequisite:* GOVT-110 or GOVT-620.

GOVT-522 Studies in Political Behavior (3) Topics vary by section, may be repeated for credit with different topic. Examples are personality and politics, and political socialization. *Prerequisite:* 6 credit hours of relevant course work in political science or a related discipline.

GOVT-523 The Art and Craft of Lobbying (3-4) The Public Affairs and Advocacy Institute (PAAI) is an intensive two-week program in major aspects of professional lobbying and influencing the policymaking process featuring speakers from the American University faculty and prominent professional lobbyists representing corporations, trade, and professional associations, public interest and other citizen groups, labor unions, as well as law and lobbying firms. The institute examines the full range of strategies and tactics pursued by organized interests and their lobbyists in attempting to gain access, obtain and exchange information, and influence policy makers in Congress and the executive branch. Student teams create a strategic lobbying plan on an important current public policy issue for a prospective client and present it to a professional panel. *Prerequisite:* GOVT-110 or GOVT-620.

GOVT-524 Topics in Public Affairs and Advocacy (1) Topics vary by section; may be repeated for credit with different topic. One-credit hour advanced workshops conducted by public affairs professionals are offered in specific public affairs areas such as grass roots lobbying; coalition building; and lobbying on the Internet. Usually offered every term. *Prerequisite:* GOVT-110 or GOVT-620.

GOVT-526 U.S. Intelligence Community (3) This course examines the agencies which make up the intelligence community and activities in which those agencies engage: collection of intelligence, counterintelligence, covert action, and analysis. The sources of conflict between members, direction and management of the community, secrecy and public control, and proposals for reform are also covered. Guest participants from research institutes and government; and independent authors. Usually offered every spring.

GOVT-527 Government Regulation and Deregulation (3) The controversial role of government in regulating lifestyles and business enterprises. Includes antitrust policy; health, safety, and environmental issues as well as social and moral questions; corporate, consumer, and special interest lobbying; effects of deregulation; and regulatory reform. Usually offered every spring.

GOVT-528 Corporate Power in American Politics (3) This course examines the factors that explain corporate political behavior, using business and political strategy techniques; scenarios, scenario drivers, fundamentals, market and non-market stimuli, and integrative modeling. Notions such as corporate political capital, reputation, branding, positioning, and corporate political culture and leadership are analyzed. Case studies include Enron, Oritz, Microsoft, GE, and BP to illustrate governance and other issues. Usually offered every fall. *Prerequisite:* GOVT-110.

GOVT-529 Principles of Homeland Security (3) This course analyses the nature and character of terrorism threats and the vulnerabilities facing the United States to gain insights on the relationships between war and national security, and between the domestic, regional, and international dimensions of terrorism and war. This course builds a conceptual framework to analyze terrorism systematically and to distinguish between strategy and policy. It also focuses on the relationship between homeland security and the international security environment, including the U.S. inter-agency coordination process and the dynamic of international cooperation in the War on Terrorism. Usually offered every term.

GOVT-531 Watergate: A Constitutional Crisis (3) Watergate threatened the very foundations of our constitutional government. Despite a corrupt presidency, other vital institutions of American democracy, including a free press, came to the rescue. Aimed at a generation not born until decades after President Richard Nixon's resignation, this course is designed to inspire students to learn more about a crucial chapter in U.S. history. Usually offered every fall.

GOVT-532 Political Institutions and Processes in Selected Regions (3) Topics vary by section, may be repeated for credit with different topic. Comparison of political institutions and processes of countries within specific regions such as Central America, Latin America, Western Europe, Eastern Europe, the Middle East, North Africa, Africa, South Asia, or Southeast Asia. *Prerequisite:* GOVT-130 or GOVT-231 or GOVT-232; or GOVT-632.

GOVT-534 Bottom-up Comparative Politics (3) An inquiry into the everyday politics that exist under the surface of both government systems and civil society from a comparative viewpoint that facilitates understanding of other societies. Includes readings from Africa, Asia, the Mideast, and the United States, and conceptual approaches including game theory, state-society theory, and political culture.

GOVT-535 Leaders in Comparative Perspective (3) The study of contemporary leaders in Africa; Europe; Latin America; and Asia through the use of biographies as the data base for analysis through political psychology; the cognitive sciences; decision theory; artificial intelligence and game theory. Emphasis is on bottom-up analysis of politics and the role of individual action in history; from a formal; scientific perspective. Usually offered every spring.

GOVT-536 Applied Political Writing (3) This course provides students with the writing skills necessary for success in political fields, from campaign politics to political journalism to Congressional offices and issue advocacy organizations. Each student develops a portfolio of writing samples that can be used in applying for positions and/or demonstrating skills, and becomes familiar with the tools and techniques of expository and persuasive writing needed in the world of politics. The course emphasizes clarity and precision as well as the forms, substantive knowledge, and creativity important in political writing. Usually offered every term. *Prerequisite:* 6 credit hours of relevant coursework in political science or a related discipline.

GOVT-537 Political Speechwriting (3) This course concentrates on the basic skills of speechwriting and techniques of successful presentation and delivery. Includes guest lectures and multimedia presentations that illustrate rhetorical skills and devices used by notable and successful public speakers throughout history. Usually offered every term. *Prerequisite:* 6 credit hours of relevant coursework in political science or a related discipline.

GOVT-540 Political Parties, Interest Groups, and Lobbying (3) The roles, functions, and changing nature of political parties and interest groups in American politics, the impact of political party reforms on the parties, and the ways in which parties and interest groups shape public policy. Usually offered every spring. *Prerequisite:* GOVT-210 or GOVT-322 or GOVT-523.

GOVT-541 The Politics of Mass Communication (3) Effects of mass communication on all levels of political life in modern societies including socialization, participation, information, and opinion. Analysis of the relationship between mass communication and politics within a comparative context, i.e., societies with differing media structures (predominantly commercial, public, or state systems). Usually offered every spring.

GOVT-545 Landmark Law Cases (3) Emphasizing the social and political dimensions of constitutional litigation, this course examines some of the most important cases decided by the U.S. Supreme Court. Students are encouraged to understand American constitutional development as the product of social, economic, and political choices rather than merely legal formalism. *Prerequisite:* GOVT-215 or GOVT-350, or equivalent.

GOVT-550 Politics in Cuba (3) An examination of the social, economic, and political roots of the Cuban revolution of 1959 and the changes brought about in Cuban politics and society as a result of the revolution. Usually offered every fall.

GOVT-584 Gender and Politics in the Middle East (3) This course explores the ways in which social, political, and cultural constructions of sexual differences influence the nature and practice of political life in the Middle East. It examines both theoretically and empirically the ways in which power is gendered and how gender has served as a basis for political organization, the distribution of power, and the boundaries of public life. *Prerequisite:* GOVT-130, WGSS-225, or graduate standing.

GOVT-585 Voting Rights and Election Systems (3) This course explores the development of voting rights with particular emphasis on the development of African-American and Latino efforts to gain access to the ballot and representation in the United States. The approaches that other countries take toward these same issues are also studied. Usually offered every fall.

GOVT-590 Independent Reading Course in Government and Political Science (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

GOVT-603 Ancient Political Thought (3) A consideration of the principles that differentiate pre-modern political thought from modern political thought. Readings include Aristophanes, Plato, and Aristotle. In alternate years, such authors as Thucydides, Xenophon, Cicero, Plutarch, and others are considered selectively. Meets with GOVT-403. Usually offered every fall.

GOVT-605 Modern Political Thought (3) Political science as systematic inquiry. Works of political theorists from Machiavelli to the twentieth century; applications to current questions of theory and method. Meets with GOVT-405. Usually offered every spring.

GOVT-606 American Political Thought (3) Concepts and theories on the nature and operation of American politics and government. Meets with GOVT-406.

GOVT-608 The Idea of America in European Political Thought: 1492-Present (3) From the "discovery" of America until today; this course examines what America has meant to thinkers from the Old World. It includes Columbus' discovery; views of the Indians; the Enlightenment's idealization of America as nature; reactions to the American Revolution; twentieth-century critiques of America as overly technological; and reactions to 9/11. Meets with GOVT-408.

GOVT-609 Contemporary Political Thought (3) This course examines important works in political theory from the late nineteenth/early twentieth century to the present, with a view to the major upheavals that distinguish this era. Themes addressed include Marxism, fascism/totalitarianism, liberalism, conservatism, communitarianism, libertarianism, postmodernism, and others. Meets with GOVT-409. Usually offered every spring.

GOVT-612 Conduct of Inquiry I (3) Concepts, approaches, and methodologies of research in political science and public administration; probability, sampling; quantitative data analysis, including hypothesis testing and estimation; qualitative data analysis and measures of association. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of the director of doctoral programs.

GOVT-613 Conduct of Inquiry II (3) Continuation of GOVT-612. The use of bivariate and multivariate analysis in political and administrative research; analysis of organizational decision models. Usually offered every spring. *Prerequisite:* admission to PhD program or permission of the director of doctoral programs.

GOVT-614 Quantitative Research Designs (3) The use of survey research and case studies for the study of political and administrative behavior. Instruction in the use of the computer as an aid in political and administrative research. Usually offered every spring. *Prerequisite:* admission to PhD program or permission of the director of doctoral programs.

GOVT-615 Research Design (3) A survey of political science research methodologies focusing on qualitative, theoretical, and empirical alternatives to positivistic approaches, based on new philosophies of science such as scientific realism. Includes alternative means of data development, cultural, structural, and functional theories applicable to political research, and theory testing. Usually offered every spring. *Prerequisite:* admission to PhD program or permission of the director of doctoral programs.

GOVT-620 Applied Politics and American Public Policy (3)

Examination of the content and dynamics of American public policymaking, with emphasis on how the domestic policy process functions, how to evaluate policy, and how to assess the different components of various policy domains. Explores the relationship between applied political action and the formation and implementation of public policy. Usually offered every fall. *Prerequisite:* admission to MA in Political Science or MA in Political Communication.

GOVT-623 Advanced Studies in Public Policy (3)

Topics vary by section, may be repeated for credit with different topic. Seminars on such topics as hunger, poverty, housing, education, job training, healthcare, unemployment, welfare, and conservation.

GOVT-628 Proseminar in Political Communication (1)

This introduction to political communication examines the role of communication in politics and the interplay of news, politics, advocacy, and public policy. The course provides students with the opportunity to process, analyze, and discuss current events through a political communication prism. Usually offered every fall. May be taken pass/fail only. *Prerequisite:* admission to the MA in Political Communication.

GOVT-629 Capstone in Political Communication (3)

This seminar is the culmination of the MA in Political Communication and provides support for the required capstone project. This project involves development of an original question, critical thinking, and extensive research and analysis leading to a logical and defensible conclusion and/or recommendations for further study. Usually offered every spring. *Prerequisite:* admission to the MA in Political Communication, completion of the research methods course, and at least 27 credits hours, or permission of instructor.

GOVT-632 Classics of Comparative Politics (3)

This course provides a broad overview of major issues in comparative politics through analysis of the most important scholarship in the field. Includes political economy, political culture, ethnicity and nationalism, democratization, the changing role of the state, and revolutionary and peaceful political change. Usually offered every fall.

GOVT-633 Political Institutions in Comparative Perspective (3)

The study of political institutions including political parties, interest groups, electoral behavior, legislatures and executives. Also examines political economy, neoinstitutionalism, theories of state and society, and formal modeling. Usually offered alternate springs.

GOVT-634 Democratization: Past, Present, Future (3)

This course examines the social, economic, and political conditions that promote democratization, the causes of the recent wave of democratization, the problems of democratic transition and consolidation, and the future prospects for democracy. Includes economic prerequisites, the institutional structures of stable democracies and the challenges from ethnic conflict. Usually offered every third spring. *Prerequisite:* GOVT-632 or GOVT-730.

GOVT-635 Social and Political Movements, Ethnicity and Nationalism (3)

This course examines a range of social and political movements from a comparative perspective. It explores both theoretically and empirically the issues of political change, social movements, the religionization of politics, ethnicity and politics, nationalism, revolution, gender and political change, informal politics, non-state actors, transnational networks and movements, and civil society. Usually offered alternate springs. *Prerequisite:* admission to master's or PhD degree program.

GOVT-636 Formation of Federal Indian Policy (3)

Offered as part of the Washington Internships for Native Students (WINS) program. The development of American Indian/Alaskan Native public policy, starting with an overview of international legal and theological underpinnings from early Colonial to the present time. Includes study of the Constitutional arguments for Congressional plenary power over Indian affairs, and review of the treaty-making, allotment, termination, Reorganization Act, and self-determination eras of Federal Indian policy, concluding with contemporary legislation such as the Indian Gaming Regulatory Act and Indian Child Welfare Act. Usually offered every summer. *Prerequisite:* admission to WINS program.

GOVT-637 Comparative Politics: Regions in Comparative Perspective (3)

Topics vary by section, may be repeated for credit with different topic. Special topics dealing with the former Soviet Union, Western Europe, the Middle East, Africa, China, Japan, and others.

GOVT-638 North American Politics (3)

An introduction to the comparative study of national politics in Canada, Mexico, and the United States, with consideration of national-level policy changes in each country related to the increasing integration of North America, especially since the implementation of the North American Free Trade Agreement (NAFTA). This course considers integration of a unified North American political, economic, and social identity. While focusing mostly on comparing domestic political processes and institutions across the nations, the course concludes with implications for regional integration. Usually offered alternate falls. Meets with GOVT-438.

GOVT-639 Critical Debates in Comparative Politics (3)

This seminar focuses on a set of interrelated themes and discusses debates in the social sciences on the meaning of politics and boundaries of "the political." It examines the ways in which these boundary issues and debates about the locus and expressions of politics are addressed within research paradigms and methodological approaches in the sub-field of comparative politics. The meaning of politics and political contestation differs across societies and it is this difference which comparativists attempt to explain; though the very utility of the concept of difference is challenged on many fronts. In addition; the seminar concentrates on contemporary political phenomena; the conceptual issues which scholars use to explain political change; and new intellectual trends in comparative politics. Usually offered alternate springs. *Prerequisite:* GOVT-632 or SIS-672.

GOVT-650 Political Analysis (3)

Methods of scientific analysis, including research formulation, hypothesis generation and testing, quantitative analysis, and computer techniques. Usually offered every fall.

GOVT-651 The Legislative Process (3) The function of the legislative branch in the American governmental system. Emphasis on Congress and comparison with state legislatures. Usually offered every spring.

GOVT-652 The Presidency and the Executive Branch (3) Analysis of presidential roles and of the function of the federal executive branch. Presidential personality, executive-legislative relations, and policy formation. Usually offered every fall.

GOVT-653 Introduction to Quantitative Methods in Political Science (3) Application of techniques of bivariate analysis to measurement of political behavior; emphasis on techniques relevant for political scientists and students of public administration. Usually offered every fall. *Prerequisite:* GOVT-650.

GOVT-656 Voting Behavior, Elections, and Campaigns (3) Political participation and behavior in U.S. primaries and elections, management of campaigns, mass media, and political organizations.

GOVT-664 Politics and Policy in the Electronic Age (3) This course examines the impact technology, especially the Internet, has on the American political system. Specifically, students evaluate how technology impacts subsystems including interest groups, Congress, and executive agencies. The class focuses on real-world applications of technology in politics through guest speakers and site visits. Usually offered every summer and fall. Meets with GOVT-464.

GOVT-665 Politics and the Internet (3) This course examines the history and evolution of the Internet; its impact on our daily lives; and the various ways in which the Internet has embedded itself into the political landscape. The course also looks at the impact of the Internet on the media and reaching constituents as a two-way medium. Usually offered every summer. Meets with GOVT-465.

GOVT-674 Constitutional Law and Politics (3) Involvement of American courts in such issues as legitimacy, conflict resolution, and representation; courts as political actors with respect to federalism; powers and limitations of government; advancement of individual and group interests and rights.

GOVT-682 Women and Politics (3) This course examines the evolutionary role of women in politics—as voters, citizens, candidates, and leaders—from the Seneca Falls Convention to the present. The role of women's organizations and movements in the expansion of political and legal rights are also explored. Usually offered every term. Meets with GOVT-482.

GOVT-683 Women, Politics, and Public Policy (3) A wide variety of issues of concern to women, including healthcare, welfare, educational equity, employment discrimination, and reproductive rights are examined through the lens of the formal policy-making process. Meets with GOVT-483.

GOVT-684 Women and Political Leadership (3) This course explores the historical evolution of women as leaders, the factors that have limited the number of women in leadership positions, and the differences in men's and women's leadership styles. Meets with GOVT-484.

GOVT-685 Topics in Women and Politics (1-4) Topics vary by section, may be repeated for credit with different topic. Topics include reproductive rights, women's health policy, women and campaigns, women in the media, and Title IX. Usually offered every term. Meets with GOVT-485.

GOVT-686 Feminist Political Theory (3) This course traces the major debates in feminist political theory and their roots in liberalism, communitarianism, Marxism, post-modernism, and other schools of thought and examines the ways in which feminist political theory can inform current policy debates concerning women. Usually offered every fall. Meets with GOVT-486. *Prerequisite:* one course in political theory, philosophy, or women's and gender studies, or permission of instructor.

GOVT-689 Seminar in Applied Politics (3) This course provides a conceptual and practical understanding of how Washington works. Through exposure to political practitioners and policy makers, both elected and unelected, who influence legislation, execute decisions, resolve disputes, and help others win electoral office, the seminar provides a direct understanding of applied politics. Students not only improve their skills in evaluating current policy proposals but also increase their factual knowledge of the structures, rules and processes of American politics. Usually offered every term. *Prerequisite:* admission to the Graduate Gateway Program and permission of department.

GOVT-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

GOVT-693 AU-Koc University Exchange (1-9) Topics vary by section, may be repeated for credit with different topic. The course provides an opportunity for students to study abroad at Koc University in Istanbul, Turkey. Usually offered every term. *Note:* Consult SPA graduate program.

GOVT-704 Approaches to Political Understanding (3) Survey and analysis of alternative theories of knowledge in the social sciences. Epistemological norms of modern empiricism. The critique of empiricism. Linguistic analysis, phenomenology, ethnomethodology, hermeneutics, critical theory, structuralism, and post-structuralism. Application to the study of political science and public administration. Usually offered every spring. *Prerequisite:* admission to PhD program or permission of instructor.

GOVT-710 Seminar in American Politics (3) Topics vary by section, may be repeated for credit with different topic. Analysis of the operation of the presidency and the legislative branch and the impact of interest groups and parties on public policy. Topics vary, but the course concentrates on the design of research and critical examination of works in the field. Usually offered every term. *Prerequisite:* admission to PhD program or permission of instructor.

GOVT-720 Seminar in Policy Analysis (3) Topics vary by section, may be repeated for credit with different topic. Analysis of policy formation and implementation; different theories on the role of government in society; the science of program evaluation. Topics vary, but the course concentrates on the design of research and critical examination of works in the field. Usually offered every term. *Prerequisite:* admission to PhD program or permission of instructor.

GOVT-730 Seminar in Comparative Politics (3) Topics vary by section, may be repeated for credit with different topic. Analysis and critique of major theoretical approaches to the study of comparative politics in developed and developing worlds. Historical and theoretical foundations of the nation-state; political issues that arise from social change; and approaches to determining the relative autonomy of state institutions. Usually offered every fall. *Prerequisite:* admission to PhD program.

GOVT-799 Doctoral Dissertation Seminar (1-12)

GOVT-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

GOVT-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Health and Fitness

Undergraduate Courses

HFIT-100 Beginning Swimming (1) Designed for students who are unable to maintain themselves in deep water. Students overcome the fear of the water and learn to feel at ease in aquatic environments while learning basic swimming skills. Usually offered every spring.

HFIT-101 Intermediate Swimming (1) Instruction in swimming skills and techniques for students interested in perfecting their swimming strokes, endurance, and associated aquatic skills. Usually offered every spring. *Prerequisite:* HFIT-100 or ability to pass beginner's test.

HFIT-120 Beginning Martial Arts (1) Introductory course for the beginner to develop the basic skills of the martial arts. Physical and mental discipline are stressed, as well as self-defense techniques. Flexibility, balance, endurance, and strength are improved. The course prepares the student to advance to the Tae Kwon Do rank of Yellow Belt. Usually offered every term.

HFIT-121 Intermediate Martial Arts (1) Continuation of the development of the martial arts skills. Additional techniques and forms are presented. The course prepares the student to advance to the Tae Kwon Do rank of Green Belt. Usually offered every term. *Prerequisite:* HFIT-120 or permission of instructor.

HFIT-125 Personal Defense (1) Introduction to the basic principles of self-defense. Emphasis is placed on perfecting the basic skills and techniques in protecting oneself. Physical conditioning, strength, and flexibility are attained, along with the understanding of the legal and psychological aspects involved in personal defense. Usually offered every term.

HFIT-130 Walking and Jogging (1) Designed for all levels of walkers and joggers. Enables individuals to design their own programs based upon goals such as cardiovascular conditioning, muscle toning, weight loss, and long-term health. Usually offered every term.

HFIT-140 Beginning Fencing (1) A general overview of the techniques, strategies, and psychology of foil fencing, with an emphasis on the historic perspectives and traditions from a variety of cultures. There is a dual emphasis on developing physical skills and studying the implementation of tactics in situations in the world of fencing. Usually offered every term.

HFIT-150 Beginning Golf (1) Designed for the beginning player. Skill work consists of grip, stance, and swing techniques for putting, short irons, middle irons, and woods. Special emphasis is placed on rules, terminology, and etiquette. Usually offered every term.

HFIT-163 Yoga (1) Through yoga exercise designed for all levels, participants increase flexibility, balance, and strength. Combining physical activity and lectures, students learn breathing and relaxation techniques, proper alignment, stress reduction, and how to heighten physical and mental awareness. Usually offered every term.

HFIT-170 Recreational Activities (1-3) Topics vary by section, may be repeated for credit with different topic. Development of skills, techniques, and knowledge of selected individual, dual, and team activities with emphasis on seasonal sports, including volleyball and soccer.

HFIT-180 Beginning Tennis (1) Designed for beginners who have had little or no playing experience or formal instruction. Students learn the forehand, backhand, serve, volley, history, scoring, rules, and basic strategy. Usually offered every term.

HFIT-181 Intermediate Tennis (1) Designed for the student who can execute the basic strokes and has some playing experience. Instruction includes basic stroke refinement, adding spin to the strokes, and strategy in singles and doubles play. Usually offered every term. *Prerequisite:* HFIT-180 or permission of instructor.

HFIT-193 Aquatic Fitness/Water Aerobics (2) Develops cardiovascular fitness through aquatic activities as an alternative to weight bearing forms of exercise. Emphasis on current theories of exercise physiology in personal conditioning programs. Includes body mechanics, hydrodynamics, program design and water safety. Usually offered every term.

HFIT-195 Principles and Techniques of Weight Training (2) An overview of muscle anatomy, exercise physiology, and biomechanics as they apply to the development of muscle strength. Systems and principles of weight training. Practical experience in strength development through a progressive resistance program. Usually offered every term.

HFIT-197 Group Aerobic Fitness (2) Using aerobic activity to develop and maintain body awareness in five major areas: cardiovascular and muscular endurance, flexibility, muscular strength, and promotion of ideal body composition through activity with music. The goal is the reduction of emotional tension, greater productivity, improved performance, formation of fat-burning enzyme, and a healthier cardiovascular system. Usually offered every term.

HFIT-200 Lifetime Health and Fitness (3) The physiological, sociological, and psychological aspects of fitness and health are introduced. Emphasis is placed on developing self-responsibility for total wellness. Students participate in fitness activities and classroom instruction and discussions. Usually offered every term.

HFIT-205 Introduction to Nutrition FA5 (3) This course addresses basic information about essential nutrients and their functions in the body as well as known and hypothesized relationships between diet and chronic disease. The course also addresses the U.S. government's nutrition guidelines, nutrition myths, food labeling, digestion, and weight management, and enables students to make informed decisions about their nutritional requirements and food choices. Usually offered every term.

HFIT-210 SCUBA (2) A balanced curriculum in skin and SCUBA diving, providing practical skill development in the pool and a thorough grounding in the physics, physiology, technology, and history of sport diving. Usually offered every term. *Note:* Must be taken with HFIT-211 for certification. Students are responsible for cost of personal equipment.

HFIT-211 SCUBA Certification Laboratory (1) Includes five open-water dives in salt and fresh water, additional equipment training, and an introduction to boat as well as shore staging for sport diving. Basic rescue techniques are introduced. The laboratory, in conjunction with the standard course, is sufficient to qualify the student as a certified basic diver under the standards of a nationally recognized certifying organization. Usually offered every term. *Co-requisite:* HFIT-210.

HFIT-230 Cross Training (2) Improvement of cardiovascular and muscular fitness through various aerobic activities. Students develop personal conditioning programs. Classroom discussions include diet theory, circuit training, flexibility, and specificity of exercise. Pre/post fitness assessment tests are administered. Usually offered every term.

HFIT-240 Introduction to Health Promotion (3) An introduction to the professional and academic field of health promotion and disease prevention. Epidemiological investigations of disease patterns and trends in the United States and health promotion efforts in various settings are explored. Emphasis is placed on the roles of lifestyles in determining health outcomes, social determinants of health, and effective strategies to help change health behavior. Usually offered every fall.

HFIT-245 Multicultural Health FA4 (3) Provides basic understanding of gender and cultural issues affecting health. Emphasis is on health disparities and how gender and cultural indicators affect behavioral risk. The relationship between health and other factors such as religion, social class/socioeconomic status, acculturation, migration, and globalization are also studied. Usually offered every fall.

HFIT-250 Strategies in Stress Management (3) The nature and causes of stress, its effect on the human body, and both cognitive behavioral approaches as well as relaxation techniques to control it. The course offers a holistic approach to stress management through a combination of lecture and skill-building activities. Methods include deep breathing, mental imagery, progressive muscular relaxation, muscle massage, art therapy, journal writing, value assessment and clarification, physical exercise, and meditation. Usually offered every term.

HFIT-260 Aerobic Dance-Exercise Instructor's Workshop (2) Designed to enable the student to teach safe, and effective aerobic dance-exercise to multi-level classes and to prepare the student to successfully complete the International Dance-Exercise Association Certification examination. *Prerequisite:* HFIT-197 or permission of instructor.

HFIT-265 Wellness Advocates (3) In this course students develop knowledge in the promotion of healthy lifestyles, stress reduction, and sexual and reproductive health, as well as the prevention of alcohol and drug abuse, eating disorders, and sexual assault. Students learn to plan, implement, and evaluate culturally sensitive and interactive educational health interventions using current models of behavior change. Usually offered every spring.

HFIT-270 First Aid, CPR, and Medical Emergencies (3) Training in first aid and CPR (Cardio-Pulmonary Resuscitation). Determination of the emergency and the course of action for rendering appropriate care. Information on the prevention and care of wounds, application of dressings and bandages, choking procedures, musculoskeletal system injuries, burns, heat and cold injuries, emergency rescue techniques. Certification by the National Safety Council; First Aid Level 3 and CPR/BLS-B. Usually offered every term.

HFIT-273 Care and Prevention of Athletic Injuries (3) Introduction to the field of sports medicine in the areas of injury evaluation, care, rehabilitation, and prevention. Includes emergency procedures, legal issues, taping, use of modalities, nutrition, strength and conditioning, and psychological aspects of sports medicine. Usually offered every spring.

HFIT-280 Sports Psychology (3) Examines the mental and emotional dimensions of human performance. Sport and exercise are the primary focus, but the principles studied encompass the whole of human action. Both theoretical understanding and practical application of the concepts and skills used to enhance performance are emphasized. Usually offered every term.

HFIT-323 Issues in Women's Health (3) Provides basic understanding of gynecologic anatomy and physiology as well as female health conditions. Emphasis placed on current health research areas such as female cancers, menopause, infertility, lesbian health, minority health, sexually transmitted diseases, pregnancy, and sexual dysfunctions. Students develop a personal health plan based upon an extensive family history and personal lifestyle. Usually offered every spring.

HFIT-325 Exercise Physiology (3) Provides a physiological perspective of exercise and other forms of physical activity. Emphasizes the influences of aerobic and anaerobic exercise on the cardiovascular, digestive, neuromuscular, hormonal, and pulmonary physiological systems. Includes fitness assessment, exercise prescription and training programming. Usually offered every fall. *Prerequisite:* BIO-372 and BIO-373, or permission of department.

HFIT-335 Health Promotion Program Planning (3) An introduction to the basic principles of the development, implementation, and evaluation of health promotion programs. This course places particular emphasis on the identification of health and lifestyle risk factors and the interventions associated with appropriate and effective management of these risks. Usually offered every spring. *Prerequisite:* HFIT-240 or permission of department.

HFIT-390 Independent Reading Course (1-6) *Prerequisite:* permission of instructor and department chair.

HFIT-410 Health Promotion Management (3) Introduction to the advanced skills and theories necessary for effective management of health promotion programs. Provides the student with advanced knowledge of the analytical tools and strategies utilized in supervising personnel, facility and program management, marketing and other related management functions. Usually offered every fall. *Prerequisite:* HFIT-335 or permission of department.

HFIT-488 Senior Seminar (3) Provides senior health promotion majors with an opportunity to pursue and closely examine health promotion programs and policies nationally and internationally. It encompasses theoretical analysis of health issues as well as discussions on alternative approaches for health promotion programming. Includes issues related to leadership, communication skills, critical thinking, and writing. Usually offered every spring. *Prerequisite:* major in Health Promotion or permission of the department.

HFIT-490 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

HFIT-491 Internship in Health Promotion (1-6) Internships with employee fitness programs, fitness centers, non-profit organizations, or health and fitness organizations emphasizing clinical, educational, or promotional aspects of health promotion. *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

HFIT-510 Applied Human Physiology and Testing I (4) Explores in detail the theoretical basis for exercise physiology. Emphasis is on changes occurring in body systems as a result of exercise and training. Includes physiological testing such as body composition, graded exercise tests, and blood pressure. Usually offered every fall. *Prerequisite:* HFIT-325 or equivalent, and permission of department.

HFIT-515 Applied Human Physiology and Testing II (3) Introduction to methods of physical fitness assessment and evaluation of results. Includes familiarization with treadmill tests, hydrostatic weighing, EKGs, and selected health status appraisal tools and techniques. Usually offered alternate springs. *Prerequisite:* HFIT-510 and permission of department.

HFIT-525 Health in the School Environment (3) Examines the promotion of healthy behaviors and beliefs in the K-12 school setting based on the Center for Disease Control's Division of Adolescent and School Health coordinated school health program model. *Prerequisite:* permission of department.

HFIT-530 Sports Nutrition (3) This course allows students to translate theory into practice and to relate content to fitness and sports. Included are topics on weight and body composition, eating disorders, and nutrition guidelines. Students gain a comprehensive knowledge of nutrition for use in complementary fields focusing on sport and exercise. *Prerequisite:* permission of department.

HFIT-535 Global Nutrition (3) This course surveys the nature and scope of leading nutritional issues and problems throughout the world, with an emphasis on developing countries. It includes consideration of specific nutrient deficiencies, as well as nutrition-related aspects of infectious and chronic disease with an emphasis on the nutrition transition. *Prerequisite:* permission of department.

HFIT-540 Health Communication (3) This course addresses distinct forms of delivering health promotion messages to consumers, professionals, and large groups through various communication methods and social marketing. The course is divided into three modules, covering health coaching, mass health communication, and consumer health writing and public speaking. Students have the opportunity to coach individuals, advocate for a health issue on Capitol Hill, or give a presentation on a health-related topic. Usually offered every fall. *Prerequisite:* permission of department.

HFIT-550 Programming for Health Promotion (3) Introduces students to advanced principles in program planning for health promotion activities. Emphasis on the use of theories for the identification of health and lifestyle risk factors, including the development, implementation, and evaluation of programs to effectively reduce the risk factors associated with chronic disease. Usually offered every spring.

HFIT-555 Research Methodology (3) Provides students in the health promotion management program with a comprehensive understanding of the concepts and methodology that are essential for quality research. Usually offered every spring. *Prerequisite:* HFIT-565.

HFIT-560 Health Promotion in Healthcare (3) This course provides an overview of the healthcare system in the United States and the emerging role of health promotion in enhancing health. Includes the different types of health promotion activities offered, clinical and theoretical foundations for initiating health promotion activities, and trends of health promotion strategies in managed care organizations. Students develop working models for the integration of health promotion programs into the existing system. Usually offered every summer. *Prerequisite:* permission of instructor.

HFIT-565 Assessment and Evaluation of Health Fitness Parameters (3) An in-depth review of validity, reliability, and objectivity as they relate to measurement techniques in health promotion programs. The primary focus is on the use and analysis of assessment instruments used to determine health risks and an understanding of epidemiological and evaluation concepts in health and fitness. Usually offered every fall. *Prerequisite:* admission to BS or MS health promotion program or permission of department.

HFIT-570 Strategies for Weight Control (3) This course is designed to address the strategies used to assist in reversing the obesity epidemic. Students gain an understanding of the trends of obesity, risk factors associated with being overweight, and chronic disease patterns. Further, strategies of proper weight management are explored on an individual and societal level, looking at current diet trends and evaluating their health implications. Usually offered every summer.

HFIT-575 Global Health (3) This course examines health issues around the globe such as disease rates, maternal and child health, violence, nutrition, and health care systems. Includes existing strategies in specific countries, new strategies for advancing the idea of health promotion, and the role of the United States in influencing planning for effective health promotion. Usually offered every fall.

HFIT-580 Health Policy and Behavior Change (3) This course explores the impact of politics and health policy on our health care system, preventative care, and health behaviors associated with chronic disease. It examines policy initiatives that affect health promoting behaviors and strategies for influencing political process. Systematic policy analysis of topics such as tobacco use, dietary choices, seat belt usage, and sedentary behavior are discussed. Usually offered alternate falls.

HFIT-585 Global Health Policy (3) This course presents an historical foundation for global health policies, the processes of systematic policy formation and analysis, and the relationship between global health policies and social and economic development. Major bodies of influence, such as the World Health Organization and the Pan-American Health Organization, and their role in forming and enforcing international health policies. The role of state, local, and federal governments and other forms of political and social governance are discussed, as well as cultural health issues and barriers to policy development and enforcement. Usually offered every spring.

HFIT-590 Independent Reading Course (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

HFIT-610 Life Cycle Nutrition (3) This course explores the role of nutrition through the entire life span. Beginning with conception, pregnancy, early childhood feeding, adolescence, adulthood, and the elderly, each life cycle is discussed with an understanding of the physiological changes and their implications for nutritional factors. Special emphasis is placed on using this information in nutritional education programming. Usually offered every fall. *Prerequisite:* HFIT-645.

HFIT-618 Strategic Planning in Health Promotion (3) Provides exposure to the management concepts and requirements of planning and developing health promotion programs. Students gain a working knowledge of the analytical tools and strategies used in the development of successful health promotion programs in both the profit and nonprofit sectors. Usually offered every spring. *Prerequisite:* permission of department.

HFIT-620 Critical Issues (3) This course examines current literature on physical fitness, coronary risk factors, nutrition, smoking, and other issues related to health and fitness. Includes a survey of various organizations and current resources for health information. Usually offered every fall. *Prerequisite:* admission to MS in Health Promotion Management or permission of department.

HFIT-625 Nutrition Epidemiology and Research Methods (3) In this course students learn how to design, implement, and analyze studies involving nutrition-disease associations. Research methods and their challenges are assessed in relation to epidemiology, focusing specifically on food and nutrition.

HFIT-630 Nutrition Education Methods I (3) (fall 2013: Nutrition Education Methods) In this course students explore the current status of nutrition and nutrition education, specifically in the United States, and identify the factors that influence nutrition status. Students learn to perform a needs assessment, and design and implement educational strategies. Usually offered every fall. *Prerequisite:* HFIT-570 or HFIT-645.

HFIT-640 Nutrition Education Methods II (3) This course follows HFIT-630 in a sequence that develops knowledge and understanding of effective instruction in nutrition education. The course focuses on the development of instructional methodologies, content area knowledge used to understand assessment, and evaluation in a number of settings. *Prerequisite:* HFIT-630.

HFIT-645 Nutrition for Health (3) The role of nutrition in maintaining health and physical fitness is studied in relation to the responsibilities and opportunities of the manager of health fitness programs. Current food myths, diets for those in athletic programs, and special needs of overweight and underweight clients are included. Usually offered every term. *Prerequisite:* permission of department.

HFIT-650 Behavior Change in Health Promotion (3) This course provides students with an overview of the theory and application for assisting individuals and groups change lifestyle behaviors related to health promotion. Includes cognitive behavior techniques changing lifestyle behaviors such as smoking, obesity, stress, or diet for the reduction of chronic disease risk. Student deepen their understanding of select theories and practices necessary for effective health behavior change. Usually offered every summer.

HFIT-655 Vitamins and Minerals (3) This course explores the role of vitamins and minerals in maintaining cellular health through biochemical and physiological mechanisms. The course provides an in-depth view of specific vitamin and minerals as well as effective ways to translate this information towards efforts for prevention of chronic disease. *Prerequisite:* HFIT-645.

HFIT-660 Multicultural Health (3) Investigates gender and culture issues affecting health, with emphasis on health disparities and how gender and cultural indicators affect behavioral risk. The relationship between health and other factors such as religion, social class/socioeconomic status, acculturation, migration, and globalization is also studied.

HFIT-682 In-Service Training (3-6) Internships with employee fitness programs, fitness centers, or health and fitness organization; may emphasize managerial, clinical, educational, or promotional aspects of health fitness management. Usually offered every term. *Prerequisite:* admission to MS in Health Promotion Management.

HFIT-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

HFIT-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

HFIT-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* admission to MS in Health Promotion Management.

History

Undergraduate Courses

HIST-100 History, Memory, and the Changeable Past FA2 (3)

This course explores how families, communities, and nations construct memories into a sense of shared history. Drawing upon sources such as novels, memoirs, and visual images, it compares these memory-building processes with the methods of professional historians. The course demonstrates how different perspectives of an event can create radically different historical understandings. Usually offered every spring.

HIST-110 Renaissance and Revolutions: Europe, 1400-1815 FA2 (3)

Explores transformations in the culture, society, politics, and intellectual life of early modern Europe, such as the Italian Renaissance, the print revolution, the Reformation, European expansionism, New World slavery, the Scientific Revolution, the Enlightenment and the French Revolution. Usually offered every term.

HIST-120 Imperialism in History FA3 (3)

This course traces the history of modern imperialism and resistance to it. It includes the nature of colonial rule, the rise of modern nationalism and post colonial states, and the political, social, religious, cultural, demographic, environmental, economic, and intellectual revolutions that produced and were produced by the rise of modern empires. Usually offered every term.

HIST-130 History of American Popular Culture (3)

This course explores the origins and cultural politics of American popular culture from the rise of commercial entertainment in the nineteenth century through the 1990s. Course readings introduce students to the cultural history of minstrelsy, circuses, film, radio, and television as commodities and as expressions of identity and community affiliation. Close attention is paid to key theoretical issues, including how popular culture has informed ideas about race and national identity over time, with consideration of how American popular forms have been increasingly created and deployed by corporations for commercial profit, but also used and often recreated by audiences. Finally, the course explores the global dimensions of American popular culture and questions of authenticity, imperialism, and globalization. The course requires intensive reading in history and cultural studies and active class participation. Usually offered every fall.

HIST-140 Modern European History: 1750 to Present FA2 (3)

A history of Europe from 1750 to the present, emphasizing the development of new political traditions and social structures, the establishment of new forms of international organization, the transformation of work, changes in the lived environment, and the evolution of understandings of the self. Usually offered every fall.

HIST-202 The Ancient World: Greece (3)

A political and cultural history of Ancient Greece from the Bronze Age to the Hellenistic period. Readings are drawn primarily from primary sources but some consideration is given to modern interpretations of key events such as the Peloponnesian Wars. Usually offered every fall.

HIST-203 The Ancient World: Rome (3)

A political and social history of the ancient Roman world from c. 1000 BC to c. 476 CE. Lectures focus on the political events of the Republic and the Empire that succeeded it, while readings cover a broad range of social issues from the family and society to education and religion. Usually offered every spring.

HIST-204 Medieval Europe (3)

Exploration of the medieval world-view and consideration of the organization of economic and political institutions, the relationship of secular and ecclesiastical authority, and the creation of new social and religious ideals during the millennium that bridges antiquity and modernity. Usually offered alternate springs.

HIST-205 American Encounters: 1492-1865 FA2 (3)

The history of the United States to 1865: the expansion and transplantation of European civilization; the Native American response; the sectional contest over slavery; the birth of the American feminist movement; and the beginnings of the industrial revolution. Usually offered every term.

HIST-206 U.S. History since 1865 (3)

This introductory course covers American history from the end of the Civil War. Topics include the modernization of America, the United States and international affairs, the growing cultural diversity of the American people, and challenges to traditional ideologies and political solutions.

HIST-208 African-American History: to 1877 (3)

This course covers the Atlantic slave trade, the African presence in Colonial America, the American Revolution, nineteenth-century American slavery, the Underground Railroad, the Civil War, and Reconstruction. The course utilizes historical eyewitness accounts, maps, and popular culture to explore the arrival and historical journey of Africans from the Colonial and Revolutionary eras through the Civil War and Reconstruction. Usually offered every fall.

HIST-209 African-American History: 1877 to Present (3)

Beginning with a brief review of the Civil War and Reconstruction, this survey chronicles the history of African-Americans to the present time. The course uses historical and literary texts and makes use of cultural resources such as films, recordings, art works, and museum exhibitions to explore the richness of this legacy and its impact on the development of American culture and history. Usually offered every spring.

HIST-210 Ethnicity in America FA4 (3)

Explores how ethnicity has shaped American institutions and behavior patterns from 1607 to the present. Largely a nation of immigrants, this country reflects the racial, religious, and national characteristics of those who migrated here, whether voluntarily or as slaves. Includes ethnicity's influence on family, politics, civil rights, and foreign policy. Usually offered every spring.

HIST-214 History of the World Regions (3)

Topics vary by section, may be repeated for credit with different topic. Rotating topics offered through various AU Abroad programs focus on sophisticated analyses of historical developments of a specific region and/or time period.

HIST-215 Social Forces that Shaped America FA2 (3) The history of race, class, and gender in the United States from the late nineteenth century to the present. The focus is on how these forces existed and continue to exist as intersecting material realities and contributors to the social attitudes held by residents of the United States. Usually offered every term.

HIST-219 Women in America to 1850 (3) Traces the history of women in America from the sixteenth through the mid-nineteenth century, concentrating on the lived experiences of women as well as on the changing definitions, perceptions, and uses of gender. Particular attention is paid to race, ethnicity, and class, as well as to regional cultures. Additional themes include family, work, and religion. Usually offered alternate falls.

HIST-220 Women in America since 1850 FA4 (3) Incorporating a multidisciplinary perspective and both primary and secondary readings, this course examines change and continuity in the experience of American women from the mid-nineteenth century to the present. Focuses on social and political movements of special concern to women, including suffrage, birth control, women's liberation, and contemporary antifeminism. Usually offered every spring.

HIST-221 History of Britain I (3) Political, social, and cultural development in Britain to 1689. Parliament, common law, civil war, plague, rebellion, concepts of kingship, and the conflict of church and state. Usually offered every fall.

HIST-222 History of Britain II (3) This course examines phenomena that have defined Britain's place in the world, such as the ascension of parliament, the industrial revolution, and the growth of empire, to understand what is unique about Britain and which elements of the British historical experience are more broadly shared. Usually offered every spring.

HIST-225 Russia and the Origins of Contemporary Eurasia FA3 (3) This course provides an overview and introduction to the history of empires, nations, and states in the Eurasian plain, from the origins of Rus' over a thousand years ago to the present day, as well as the various ethnic, national, and religious groups of the region.

HIST-231 The Russian Empire, 1650-1917 (3) This course examines the history of the Romanov dynasty and the Russian Empire focusing on understanding the structures of the diverse society that made up the empire, the growth and modernization of the empire, and the tensions within the system which led to its collapse. Readings include historical narratives, documents, and novels.

HIST-232 The Soviet Union (3) This course treats the history of the Soviet Union (1917-1991), seeking to explain how this civilization arose, survived, and ultimately fell, with particular attention to the history of communism as an idea. Readings help give a sense of both the aspirations and sufferings of its citizens.

HIST-235 The West in Crisis, 1900-1945 FA2 (3) This course examines the great crises of the first half of the twentieth century, including the two world wars, the global great depression, and communist and fascist revolutions and dictatorships. Usually offered every spring.

HIST-239 Topics in European History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include national histories, nineteenth-century Europe, and Europe and colonialism.

HIST-241 Colonial Latin America (3) Conquest and change in Indian civilization; imperial politics; race and class; Indian labor and the Black legend; imperial economic relations; imperial reform and revolution. Usually offered every fall.

HIST-242 Latin America since Independence (3) Problems in creating nations; militarism, dictatorship, and democracy; sources of underdevelopment; reform and revolution in the twentieth century. Usually offered every spring.

HIST-245 Modern Jewish Civilization (3) Surveys Jewish responses to the challenges of modernity. Examines the creation of new Jewish communities in America and Israel, shifts in Jewish political status, and innovations in Jewish religious and intellectual history such as Zionism and Hasidism. Usually offered every spring.

HIST-248 Introduction to Middle Eastern History (3) The Middle East escapes any single definition; it has no readily-defined geographic, ethnic, religious, or political boundaries. This course surveys the historical experiences, institutions, and events that have connected the region's diverse peoples from the rise of Islam to the present. Usually offered every fall.

HIST-250 Empires and States in East Asia FA3 (3) This course examines the origins and history of multiple imperial traditions throughout East Asian history, including ancient China (origins to 221 B.C.); Chinese empires (221 B.C. to 1912); the Japanese empire (1895-1945); and modern East Asia (1600-present).

HIST-288 Oliver Stone's America (3) Director Oliver Stone's influence on popular views of recent U.S. history has raised important questions about artistic license, the nature and uses of historical evidence, and the shaping of popular historical consciousness. This course addresses these issues while assessing both scholarly opinion and popular beliefs about the Kennedy assassination, the Vietnam War and antiwar movement, the 1960s counterculture, Watergate, U.S. policy in Central America, the 1980s capitalistic culture, and 9/11 and the presidency of George W. Bush. Usually offered every fall.

HIST-299 Conversations in History (3) Topics vary by section. This intensive seminar introduces majors to the study of history. By delving into a topic, students learn various approaches to the study of history that have evolved over time, as well as the mechanics of writing history. Usually offered every term. *Prerequisite:* history major or permission of instructor.

HIST-305 Topics in Race and Ethnicity in the United States (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include Latinos and Latinas in United States history; Native American history; and Asian American history.

HIST-314 History of the World Regions (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics offered through various AU Abroad programs focus on sophisticated analyses of historical developments of a specific region and/or time period and an in-depth exploration of the historical, cultural, and social contexts of the region or time period discussed.

402 Course Descriptions

HIST-322 History of Britain: 1815-Present (3) Offered as part of the AU Abroad London program, this course examines the key political, social, and cultural developments of Great Britain over the past two hundred years, from war with France and world-wide imperial expansion to the present with Britain as a medium-sized state torn between allegiance to its former colonies, America, and the expanding European Union.

HIST-327 Twentieth Century Europe (3) In this century Europe has experienced two major wars, a wave of communist revolution, a violent reaction in the form of fascism, and the horror of mass extermination. Yet Europe today is quite prosperous, and there are better links between the Western countries and their communist counterparts than could have been imagined two decades ago. There is something in Europe's past that gives it a certain resilience. Usually offered alternate years.

HIST-344 Topics in Jewish History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in Jewish history exploring one theme, or period, or geographical region of the Jewish past, including the history of women in Jewish tradition, East European Jewry, the world of the shtetl, American Jewish women, and anti-Semitism.

HIST-390 Independent Reading Course in History (1-6) *Prerequisite:* permission of instructor and department chair.

HIST-411 Atlantic World Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include ideas of science and faith, exchange of goods and scientific knowledge, diasporas, and comparative slavery. Some background in European and U.S. history is recommended. Meets with HIST-611.

HIST-412 Studies in European History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include women and gender, European thought and ideologies, nineteenth-century revolutions, development of the social sciences, Eastern and Central Europe of the nineteenth and twentieth centuries, modern Germany, the Republic of Letters, and media and mass culture. Some background in European history is recommended. Meets with HIST-612.

HIST-418 Nazi Germany (3) The political, social, and economic conditions that made it possible for Hitler to take power. The nature of Nazi rule. Emphasis on World War II and the Holocaust. Meets with HIST-618. Usually offered every spring.

HIST-419 Holocaust (3) Traces the history of anti-Semitism and the development of racism that led to the Holocaust. Examines the historical development of the Final Solution. Considers the variety of responses to Jewish persecution by the Nazi perpetrators, the Jews, and the nations of the world. Meets with HIST-619. Usually offered every fall.

HIST-437 British Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including Hanoverian England, Victorian England, Edwardian England, the British Empire, the British working class, and popular culture in modern Britain. Meets with HIST-637.

HIST-438 French History since 1789 (3) Covers the major issues and problems in the history of modern France. With an emphasis on social and cultural history, it treats subjects such as the revolutionary tradition in France, nationalism, peasant life, worker culture, domesticity and family life, urbanism, empire, the World Wars, consumerism, and Americanization. Course materials include memoirs, novels, and films. Meets with HIST-638. Usually offered alternate springs.

HIST-440 Latin American Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including the diplomatic history of Latin America, Latin American intellectual history, and Latin American feminisms. Meets with HIST-640.

HIST-443 History of Israel (3) Traces the development of modern political Zionism in nineteenth-century Europe; the historical background leading to the establishment of the State of Israel in 1948; and the history of Israel since then, including patterns of Jewish immigration and its relationship to the Arab world. Meets with HIST-643. Usually offered every fall.

HIST-445 Russian Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including Russian intellectual history, World War I and the end of empires, the Russian Revolution, and Russian film history. Meets with HIST-645.

HIST-447 Asian Studies (3) Topics vary by section, may be repeated for credit with different topic. Topical courses in Asian history including modern China, late imperial China, the Japanese empire, modern Eurasian frontiers, and other topics in Chinese, Japanese, and inner Asian history. Meets with HIST-647.

HIST-448 American Culture in the Nuclear Age: Living with the Bomb (3) Examines the evolution of American culture in the nuclear age, with particular emphasis on the ways in which the threat of nuclear war and annihilation have shaped American thought and behavior. Central to this study is an exploration of the history of the nuclear arms race in the context of the politics, culture, and diplomacy of the Cold War. Meets with HIST-648. Usually offered every summer and alternate falls.

HIST-449 Topics in U.S. History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include labor and workers, espionage and national security, radical tradition, political movements, science and technologies, film and history, and families and childhood. Some background in U.S. history is recommended. Meets with HIST-649.

HIST-450 Colonial America: 1492 to 1763 (3) The founding and development of England's North American colonies, emphasizing the original impulses and methods of colonization; Indian peoples and conflict; non-English immigration; the genesis and African background of the slave trade and slavery; and the creation of a dominant English culture in an ethnically and racially diverse society. Meets with HIST-650. Usually offered alternate years.

HIST-451 Era of the Revolution and Constitution (3) The political and social history of the American Revolution, emphasizing the genesis of the revolutionary conflict, the revolution as a "republican revolution," the revolution's ideological and social results and their effect abroad, and the formation of the Constitution. Meets with HIST-651. Usually offered alternate years.

HIST-452 The Era of the New Republic, 1789-1850 (3) The new republic's political consolidation during its first critical decades; its physical, economic, and political transformation by continental expansion; the transportation and industrial revolutions and the creation of a mass democracy; and the first confrontations over slavery in 1832-33 and 1848-50. Meets with HIST-652. Usually offered alternate years.

HIST-453 Civil War and Reconstruction (3) Chronological coverage from the Compromise of 1850 to the final withdrawal of federal troops from the South in 1877. Includes antebellum reform, sectional conflict, black slavery, secession, and postwar racial and political problems. Political and social issues are emphasized, rather than a narrative of battles and skirmishes. Meets with HIST-653. Usually offered alternate years.

HIST-454 The South since Reconstruction (3) The theme is the South's struggle with the issues of integration, separation, and self-definition since the Civil War. Reconstruction and redemption, race relations, violence, the rise and fall of the "Solid South," and the "New South" of Jimmy Carter. Meets with HIST-654. Usually offered alternate years.

HIST-455 Emergence of Modern America, 1877-1920 (3) The course considers themes in the modernization of America: the rise of corporations and cities, the influx of immigrants from southern and eastern Europe, and the advent of the new diplomacy and imperialism. Also studies populism and progressivism. Meets with HIST-655. Usually offered alternate years.

HIST-456 Twentieth Century America (3) Life in the twentieth century is different from all other periods of our past. To understand why requires an examination of the explosion of science and technology, the growth of government, America's increasing involvement in the world, the multiplication of protest and liberation movements, the new politics, and neo-Keynesian economics. Meets with HIST-656.

HIST-457 America between the Wars, 1919-1941 (3) Following a decade of stability and prosperity, the dislocations caused by the Great Depression disrupted the lives and shook the institutions of the American people, leading to unprecedented political and cultural experimentation. Emphasizing both the contrasts and continuities between the 1920s and 1930s, the course investigates the patterns of political, social, cultural, economic, and intellectual life during the interwar period, with special emphasis on the tensions between radical and conservative tendencies. Meets with HIST-657.

HIST-459 Topics in Women's, Gender, and Sexuality History (3) Topics vary by section, may be repeated for credit with different topic. Examines the changing definitions, perceptions, and uses of gender and sexuality in U.S. history. Rotating topics include women's suffrage, images of masculinity, and gay rights. Based on the assumption that gender and sexuality are historically-specific cultural constructs, special attention is paid to their intersection with race, class, and ethnicity. Meets with HIST-659. Usually offered alternate falls.

HIST-460 U.S. Foreign Relations, 1774-1918 (3) The history of United States diplomacy (and other forms of international relations) from the Revolution to World War I. Focus on policymaking and makers; on long-term issues such as unilateralism, imperialism, and neutrality; and on economics and ideology. Meets with HIST-660. Usually offered alternate falls.

HIST-461 U.S. Foreign Relations since 1918 (3) The history of United States diplomacy (and other forms of international relations) since the onset of World War I. Focus on policymaking and makers; on such long-term issues as isolationism, go-it-alone unilateralism, and interventionism; on ideology, economics, and related domestic politics; and on growing U.S. attention to military and national security matters. Meets with HIST-661. Usually offered every spring.

HIST-462 America and the Cold War (3) Focusing on the years 1945-1989, this course explores the international and domestic origins of the Cold War, its impact on American politics and culture, the rise of the national security state, and crises such as the Korean war, the Cuban missile crisis, and Vietnam. Meets with HIST-662.

HIST-464 U.S. Presidential Elections (3) This course reinterprets U.S. history from the perspective of the nation's quadrennial contests for national leadership. It shows how presidential elections both reflect and influence major trends and episodes of the American past. The course combines narrative history with political and economic models to present a comprehensive theory of American presidential elections. A portion of the course focuses on the current election cycle, with guest speakers contributing information and adding to analysis. Meets with HIST-664. Usually offered alternate falls.

HIST-467 Oral History (3) This course presents the theory, practice, legal and ethical issues, and uses of oral history. Through field work, students gain interviewing, transcription, and analysis skills and studies the advantages and limitations of oral history as source material. Reading and case histories are drawn from modern U.S. history. Meets with HIST-667. Usually offered every fall.

HIST-468 Topics in Public History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include history and public policy, media and history, regional and local histories, and historic sites. Some background in U.S. history is recommended. Meets with HIST-668.

HIST-469 History of Medicine in the United States: from Smallpox to AIDS (3) Health, disease, and medicine's role in American society and culture with a special focus on health dangers posed by industrialization, urbanization, and immigration. Disease and its social construction have been an important dimension of American culture and definitions of health and disease are important barometers of who we are as a people. Epidemics (including AIDS), the hospital, ethnicity, race, urban health care, controversies in medical ethics, and medical discoveries. Meets with HIST-669. Usually offered alternate springs.

HIST-470 Visual and Material Culture (3) This course combines two interdisciplinary and often overlapping areas of study for examination by students of history: material and visual cultural studies. The course introduces students to historiography and cultural theory in both fields and examines methodologies for using visual and material sources to study American cultural and social history. Meets with HIST-670. Usually offered alternate springs.

404 Course Descriptions

HIST-471 Ideology, Culture, and American Politics (3) How have American political leaders justified their objectives? How have popular beliefs and attitudes been reflected in the American political system? This course, concentrating on the twentieth century, explores the relationship between American political life on the one hand and ideas and popular persuasions on the other. Meets with HIST-671.

HIST-473 American Jewish History (3) Today American Jewry constitutes the preeminent Diaspora Jewish community. This course traces its historical development by examining the waves of Jewish immigration to the United States and the institutions that American Jews created to sustain their community. Meets with HIST-673. Usually offered alternate springs.

HIST-476 U.S. Environmental History (3) Environmental history introduces nature, including plants, animals, climate, weather, and soil, as a central aspect of its analysis. This course examines the role nature plays in North America's history from the breakup of Pangaea to the rise of the American lawn. The course further explores how humans have reshaped the continent's ecosystems over time. Meets with HIST-676. Usually offered alternate falls.

HIST-477 History and New Media (3) This course explores the impact of new information technologies on historical practices, focusing on research, teaching, presentations of historical materials, and changes in professional organization and discourse. Some background in U.S. history is recommended. Meets with HIST-677. Usually offered every spring.

HIST-478 Civil War Institute (3) This week-long summer program introduces participants to the key causes and consequences of the war by exploring its remnants and remembrances in the Washington, D.C. area. The intensive program combines morning presentations and discussions with afternoon field trips. Sites include Harper's Ferry, Antietam, Arlington National Cemetery, Sherman and Grant Memorials, Howard University, Fort Stevens, Frederick Douglass Home, Ford's Theater, and a full-day trip to Richmond. Meets with HIST-678. Usually offered every summer.

HIST-479 Topics in African American History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include American slavery, African American women, the civil rights movement, and race relations in the United States. Some background in U.S. history is recommended. Meets with HIST-679.

HIST-480 Senior Thesis in History I (3) Methods and materials of historical research and writing. Students design and outline research subjects based in part on the use of primary sources. Usually offered every fall. *Prerequisite:* HIST-299 and senior standing with minimum 3.3 GPA.

HIST-481 Senior Thesis in History II (3) Continuation of HIST-480. Completion of senior thesis based in part on the use of primary sources. Usually offered every spring. *Prerequisite:* HIST-480 and senior standing with minimum 3.3 GPA.

HIST-482 Research Seminar (3) Topics vary by section. This seminar introduces students to a field of research not limited geographically, for example, military history, gender history, revolutions, etc. Students complete a series of common readings and then design, outline, research, and write their own historical research papers on a topic of their choice relating to the course theme. Papers are built on primary sources and engage the historiographical questions most relevant to the topic. Usually offered every term. *Prerequisite:* HIST-299.

HIST-485 Hiroshima, Nagasaki, and Beyond (3) Summer study trip to Japan in conjunction with the Nuclear Studies Institute. Focuses on Japanese wartime aggression, the human devastation wrought by the atomic bombings, current Japanese and international efforts to eliminate nuclear weapons, and the building of closer ties between the people of the United States and Japan. Participants hear first-hand accounts of atomic bomb survivors and Asian victims of Japanese atrocities, visit sites of historical and cultural significance, and attend commemorative events. Meets with HIST-685. Usually offered every summer.

HIST-490 Independent Study Project in History (1-6) *Prerequisite:* permission of instructor and department chair.

HIST-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

HIST-078 Civil War Institute (0) Noncredit option. This week-long summer program introduces participants to the key causes and consequences of the war by exploring its remnants and remembrances in the Washington, D.C. area. The intensive program combines morning presentations and discussions with afternoon field trips. Sites include Harper's Ferry, Antietam, Arlington National Cemetery, Sherman and Grant Memorials, Howard University, Fort Stevens, Frederick Douglass Home, Ford's Theater, and a full-day trip to Richmond. Meets with HIST-478/678. Usually offered every summer.

HIST-085 Hiroshima, Nagasaki, and Beyond (0) Noncredit option. Summer study trip to Japan in conjunction with the Nuclear Studies Institute. Focuses on Japanese wartime aggression, the human devastation wrought by the atomic bombings, current Japanese and international efforts to eliminate nuclear weapons, and the building of closer ties between the people of the United States and Japan. Participants hear first-hand accounts of atomic bomb survivors and Asian victims of Japanese atrocities, visit sites of historical and cultural significance, and attend commemorative events. Meets with HIST-485/685. Usually offered every summer.

HIST-500 Studies in History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in early modern European history, European colonialism in the Caribbean, nineteenth and twentieth century European studies, Russian and Soviet studies, American political, social, and cultural studies, and American diplomatic and military studies. Usually offered every term.

HIST-590 Independent Reading Course in History (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

Note: When 400-level and 600-level courses meet together, registration at the 600-level requires graduate-level assignments and higher expectations regarding performance.

HIST-611 Atlantic World Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include interpretations of the new world, ideas of science and faith, exchange of goods and scientific knowledge, diasporas, and comparative slavery. Some background in European and U.S. history is recommended. Meets with HIST-411.

HIST-612 Studies in European History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include women and gender, European thought and ideologies, nineteenth-century revolutions, development of the social sciences, Eastern and Central Europe of the nineteenth and twentieth centuries, modern Germany, the Republic of Letters, and media and mass culture. Some background in European history is recommended. Meets with HIST-412.

HIST-618 Nazi Germany (3) The political, social, and economic conditions that made it possible for Hitler to take power. The nature of Nazi rule. Emphasis on World War II and the Holocaust. Meets with HIST-418. Usually offered every spring.

HIST-619 Holocaust (3) Traces the history of anti-Semitism and the development of racism that led to the Holocaust. Examines the historical development of the Final Solution. Considers the variety of responses to Jewish persecution by the Nazi perpetrators, the Jews, and the nations of the world. Meets with HIST-419. Usually offered every fall.

HIST-637 British Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including Hanoverian England, Victorian England, Edwardian England, the British Empire, the British working class, and popular culture in modern Britain. Meets with HIST-437.

HIST-638 French History since 1789 (3) Covers the major issues and problems in the history of modern France. With an emphasis on social and cultural history, it treats subjects such as the revolutionary tradition in France, nationalism, peasant life, worker culture, domesticity and family life, urbanism, empire, the World Wars, consumerism, and Americanization. Course materials include memoirs, novels, and films. Meets with HIST-438. Usually offered alternate springs.

HIST-640 Latin American Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics, including the diplomatic history of Latin America, Latin American intellectual history, and Latin American feminisms. Meets with HIST-440.

HIST-643 History of Israel (3) Traces the development of modern political Zionism in nineteenth-century Europe; the historical background leading to the establishment of the State of Israel in 1948; and the history of Israel since then, including patterns of Jewish immigration and its relationship to the Arab world. Meets with HIST-443. Usually offered every fall.

HIST-645 Russian Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including Russian intellectual history, World War I and the end of empires, the Russian Revolution, and Russian film history. Meets with HIST-445.

HIST-647 Asian Studies (3) Topics vary by section, may be repeated for credit with different topic. Topical courses in Asian history including modern China, late imperial China, the Japanese empire, modern Eurasian frontiers, and other topics in Chinese, Japanese, and inner Asian history. Meets with HIST-447.

HIST-648 American Culture in the Nuclear Age: Living with the Bomb (3) Examines the evolution of American culture in the nuclear age, with particular emphasis on the ways in which the threat of nuclear war and annihilation have shaped American thought and behavior. Central to this study is an exploration of the history of the nuclear arms race in the context of the politics, culture, and diplomacy of the Cold War. Meets with HIST-448. Usually offered every summer and alternate falls.

HIST-649 Topics in U.S. History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include labor and workers, espionage and national security, radical tradition, political movements, science and technologies, film and history, and families and childhood. Some background in U.S. history is recommended. Meets with HIST-449.

HIST-650 Colonial America: 1492 to 1763 (3) The founding and development of England's North American colonies, emphasizing the original impulses and methods of colonization; Indian peoples and conflict; non-English immigration; the genesis and African background of the slave trade and slavery; and the creation of a dominant English culture in an ethnically and racially diverse society. Meets with HIST-450. Usually offered alternate years.

HIST-651 Era of the Revolution and Constitution (3) The political and social history of the American Revolution, emphasizing the genesis of the revolutionary conflict, the revolution as a "republican revolution," the revolution's ideological and social results and their effect abroad, and the formation of the Constitution. Meets with HIST-451. Usually offered alternate years.

HIST-652 The Era of the New Republic, 1789-1850 (3) The new republic's political consolidation during its first critical decades; its physical, economic, and political transformation by continental expansion; the transportation and industrial revolutions and the creation of a mass democracy; and the first confrontations over slavery in 1832-1833 and 1848-1850. Meets with HIST-452. Usually offered alternate years.

HIST-653 Civil War and Reconstruction (3) Chronological coverage from the Compromise of 1850 to the final withdrawal of federal troops from the South in 1877. Includes antebellum reform, sectional conflict, black slavery, secession, and postwar racial and political problems. Political and social issues are emphasized, rather than a narrative of battles and skirmishes. Meets with HIST-453. Usually offered alternate years.

HIST-654 The South since Reconstruction (3) The theme is the South's struggle with the issues of integration, separation, and self-definition since the Civil War. Reconstruction and redemption, race relations, violence, the rise and fall of the "Solid South," and the "New South" of Jimmy Carter. Meets with HIST-454. Usually offered alternate years.

406 Course Descriptions

HIST-655 Emergence of Modern America, 1877-1920 (3) The course considers themes in the modernization of America: the rise of corporations and cities, the influx of immigrants from southern and eastern Europe, and the advent of the new diplomacy and imperialism. Also studies populism and progressivism. Meets with HIST-455. Usually offered alternate years.

HIST-656 Twentieth Century America (3) Life in the twentieth century is different from all other periods of our past. To understand why requires an examination of the explosion of science and technology, the growth of government, America's increasing involvement in the world, the multiplication of protest and liberation movements, the new politics, and neo-Keynesian economics. Meets with HIST-456.

HIST-657 America between the Wars, 1919-1941 (3) Following a decade of stability and prosperity, the dislocations caused by the Great Depression disrupted the lives and shook the institutions of the American people, leading to unprecedented political and cultural experimentation. Emphasizing both the contrasts and continuities between the 1920s and 1930s, the course investigates the patterns of political, social, cultural, economic, and intellectual life during the interwar period, with special emphasis on the tensions between radical and conservative tendencies. Meets with HIST-457.

HIST-659 Topics in Women's, Gender, and Sexuality History (3) Topics vary by section, may be repeated for credit with different topic. Examines the changing definitions, perceptions, and uses of gender and sexuality in U.S. history. Rotating topics include women's suffrage, images of masculinity, and gay rights. Based on the assumption that gender and sexuality are historically-specific cultural constructs, special attention is paid to their intersection with race, class, and ethnicity. Meets with HIST-459. Usually offered alternate falls.

HIST-660 U.S. Foreign Relations, 1774-1918 (3) The history of United States diplomacy (and other forms of international relations) from the Revolution to World War I. Focus on policymaking and makers; on such long-term issues such as unilateralism, imperialism, and neutrality; and on economics and ideology. Meets with HIST-460. Usually offered alternate falls.

HIST-661 U.S. Foreign Relations since 1918 (3) The history of United States diplomacy (and other forms of international relations) since World War I. Focus on policymaking and makers; on long-term issues as isolationism, go-it-alone unilateralism, and interventionism; on ideology, economics, and related domestic politics; and on growing U.S. attention to military and national security matters. Meets with HIST-461. Usually offered every spring.

HIST-662 America and the Cold War (3) Focusing on the years 1945-1989, this course explores the international and domestic origins of the Cold War, its impact on American politics and culture, the rise of the national security state, and crises such as the Korean war, the Cuban missile crisis, and Vietnam. Meets with HIST-462. Usually offered every spring.

HIST-664 U.S. Presidential Elections (3) This course reinterprets U.S. history from the perspective of the nation's quadrennial contests for national leadership. It shows how presidential elections both reflect and influence major trends and episodes of the American past. The course combines narrative history with political and economic models to present a comprehensive theory of American presidential elections. A portion of the course focuses on the current election cycle, with guest speakers contributing information and adding to analysis. Meets with HIST-464. Usually offered alternate falls.

HIST-667 Oral History (3) This course presents the theory, practice, legal and ethical issues, and uses of oral history. Through field work, students gain interviewing, transcription, and analysis skills and studies the advantages and limitations of oral history as source material. Reading and case histories are drawn from modern U.S. history. Meets with HIST-467. Usually offered every fall.

HIST-668 Topics in Public History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include history and public policy, media and history, regional and local histories, and historic sites. Some background in U.S. history is recommended. Meets with HIST-468.

HIST-669 History of Medicine in the United States: from Smallpox to AIDS (3) Health, disease, and medicine's role in American society and culture with a special focus on health dangers posed by industrialization, urbanization, and immigration. Disease and its social construction have been an important dimension of American culture and definitions of health and disease are important barometers of who we are as a people. Epidemics (including AIDS), the hospital, ethnicity, race, urban health care, controversies in medical ethics, and medical discoveries. Meets with HIST-469. Usually offered alternate springs.

HIST-670 Visual and Material Culture (3) This course combines two interdisciplinary and often overlapping areas of study for examination by students of history: material and visual cultural studies. The course introduces students to historiography and cultural theory in both fields and examines methodologies for using visual and material sources to study American cultural and social history. Meets with HIST-470. Usually offered alternate springs.

HIST-671 Ideology, Culture, and American Politics (3) How have American political leaders justified their objectives? How have popular beliefs and attitudes been reflected in the American political system? This course, concentrating on the twentieth century, explores the relationship between American political life on the one hand and ideas and popular persuasions on the other. Meets with HIST-471.

HIST-673 American Jewish History (3) Today American Jewry constitutes the preeminent Diaspora Jewish community. This course traces its historical development by examining the waves of Jewish immigration to the United States and the institutions that American Jews created to sustain their community. Meets with HIST-473. Usually offered alternate springs.

HIST-676 U.S. Environmental History (3) Environmental history introduces nature, including plants, animals, climate, weather, and soil, as a central aspect of its analysis. This course examines the role nature plays in North America's history from the breakup of Pangaea to the rise of the American lawn. The course further explores how humans have reshaped the continent's ecosystems over time. Meets with HIST-676. Usually offered alternate falls.

HIST-677 History and New Media (3) This course explores the impact of new information technologies on historical practices, focusing on research, teaching, presentations of historical materials, and changes in professional organization and discourse. Some background in U.S. history is recommended. Meets with HIST-477. Usually offered every spring.

HIST-678 Civil War Institute (3) This week-long summer program introduces participants to the key causes and consequences of the war by exploring its remnants and remembrances in the Washington, D.C. area. The intensive program combines morning presentations and discussions with afternoon field trips. Sites include Harper's Ferry, Antietam, Arlington National Cemetery, Sherman and Grant Memorials, Howard University, Fort Stevens, Frederick Douglass Home, Ford's Theater, and a full-day trip to Richmond. Meets with HIST-478. Usually offered every summer.

HIST-679 Topics in African American History (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include American slavery, African American women, the civil rights movement, and race relations in the United States. Some background in U.S. history is recommended. Meets with HIST-479.

HIST-685 Hiroshima, Nagasaki, and Beyond (3) Summer study trip to Japan in conjunction with the Nuclear Studies Institute. Focuses on Japanese wartime aggression, the human devastation wrought by the atomic bombings, current Japanese and international efforts to eliminate nuclear weapons, and the building of closer ties between the people of the United States and Japan. Participants hear first-hand accounts of atomic bomb survivors and Asian victims of Japanese atrocities, visit sites of historical and cultural significance, and attend commemorative events. Meets with HIST-485. Usually offered every summer.

HIST-690 Independent Study Project in History (1-6) *Prerequisite:* permission of instructor and department chair.

HIST-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

HIST-720 Colloquium in Modern European History 1789-1900 (3) Covers major issues in European history from 1789 to 1900. Integrates political, social, cultural, intellectual, diplomatic, and military subjects and their historiography. The colloquium assumes basic knowledge of events. Usually offered alternate falls.

HIST-721 Colloquium in Modern European History since 1900 (3) Covers major issues in European history since 1900. Integrates political, social, cultural, intellectual, diplomatic, and military subjects and their historiography. The colloquium assumes basic knowledge of events. Usually offered alternate falls.

HIST-727 Colloquium in United States History I: to 1865 (3) The course assumes the student's familiarity with factual data and concentrates on analyzing important historiographic disputes and developments in U.S. history to the end of the Civil War. Usually offered every fall.

HIST-728 Colloquium in United States History II: since 1865 (3) The course assumes the student's familiarity with factual data and concentrates on analyzing important historiographic disputes and developments in U.S. history from 1865 to the present. Usually offered every spring.

HIST-729 Public History Seminar (3) With HIST-730, this course is part of a two course sequence introducing students to ideas, debates, and best practices in the field of public history. The course introduces students to the historical origins of public history, the historiography and major paradigms in the field, and to debates about the public role of historians. Usually offered every fall.

HIST-730 Public History Practicum (3) With HIST-729, this course is part of a two course sequence introducing students to ideas, debates, and best practices in the field of public history. The course introduces students to the best practices in both the interpretation of history in public venues and the management of heritage sites. Includes governance, ethics, interpretation, evaluation, exhibition development, and education. Usually offered every spring.

HIST-744 The Historian's Craft (3) Focuses on historical theory, historical methodology, and differences in the various branches of history. Brings together graduate students with various specialties and interests and creates a common base of knowledge and experience. Usually offered every fall.

HIST-751 Graduate Research Seminar (3) Repeatable for credit. Identification and development of research subjects; sources and their evaluation; research techniques and problems; and writing and argumentation. Students research and write substantial papers based largely on primary sources, with the aim of producing a paper suitable for submission to an academic journal or a professional conference. Usually offered every spring.

HIST-797 Master's Thesis Research (1-6) Usually offered every term. May be taken SP/UP only.

HIST-799 Doctoral Dissertation Seminar (1-12) Usually offered every term. May be taken pass/fail only.

HIST-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

HIST-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

University Honors Program

Undergraduate Courses

HNRS-040 University Honors Study/Travel (0) Topics vary by section, may be repeated for credit with different topic. Study abroad usually taught in conjunction with an Honors colloquium. Usually offered every spring. *Prerequisite:* admission to University Honors Program.

HNRS-300 Honors Colloquium in Arts and Humanities (3)

Topics vary by section, may be repeated for credit with different topic. Usually offered every term. *Prerequisite:* permission of University Honors program director.

HNRS-301 Honors Colloquium in Natural and Mathematical Sciences (3)

Topics vary by section, may be repeated for credit with different topic. Usually offered every term. *Prerequisite:* permission of University Honors program director.

HNRS-302 Honors Colloquium in Social Sciences (3)

Topics vary by section, may be repeated for credit with different topic. Usually offered every term. *Prerequisite:* permission of University Honors program director.

HNRS-390 Honors Independent Reading Course (1-6)

Prerequisite: permission of instructor and University Honors program director.

HNRS-400 Advanced University Honors Colloquium (3)

Topics vary by section, may be repeated for credit with different topic. *Prerequisite:* admission to University Honors Program and junior or senior standing.

HNRS-490 Honors Independent Study Project (1-6)

Prerequisite: permission of instructor and University Honors program director.

HNRS-498 University Honors Capstone (3)

Students design and complete their University Honors capstone. *Prerequisite:* admission to University Honors Program.

Business: International Business

Undergraduate Courses

IBUS-200 The Global Marketplace FA3 (3)

A survey course focusing on key issues in the global business environment, as well as global corporate strategy and operations. These issues include the global role of the corporation, globalization, internationalization, international trade, foreign direct investment, multilateral institutions, the international monetary system, and political, economic, and cultural differences. *Note:* This course is designed for non-business majors only and may not be taken by students who have a declared or intended major in KSB.

IBUS-244 International Management Practices (2-3)

Topics vary by section; may be repeated for credit with different topic. Students learn experientially how the political, economic, and cultural environments of the region/country influence business strategy and management practices of multinational and domestic firms. The class travels to Asia (typically summer); Latin America (typically fall); and the European Union (typically spring). *Prerequisite:* completion of at least 3 credits in Kogod and minimum 2.75 cumulative GPA, or permission of instructor or Kogod Office of Academic Programs.

IBUS-300 Fundamentals of International Business (3)

A survey course focusing on the nature and scope of global trade and investment, the role of multilateral institutions including the World Bank, International Monetary Fund (IMF), and World Trade Organization (WTO), the international monetary system and exchange markets, and differences in national cultures in providing in the environment in which trade and investment take place. The course additionally focuses on the impacts that this environment has on the operating decisions of multinational enterprises, especially with respect to the development of global strategies and their

effect on business functions such as management, marketing, finance, and operations. *Prerequisite:* completion of College Writing and Writing Proficiency Requirement, and junior business major or MKTG-250.

IBUS-301 International Marketing (3)

The concepts and practices of marketing across national borders and the adaptations to the marketing program required because of the different needs, environmental constraints, and forms of competition in foreign markets. *Prerequisite:* IBUS-300 and either MKTG-300 or MKTG-250.

IBUS-303 Learning from Global Enterprise Failure (3)

This multidisciplinary seminar focuses on analysis of high profile international corporate failures to gain insights into key business issues in the areas of global strategy, management and leadership, finance and accounting, and risk management and oversight as applied in the international arenas. Students apply knowledge developed in prior functional course work to the analysis of these global enterprise failures. Analysis of failure provides a unique and practical learning approach. *Prerequisite:* IBUS-300.

IBUS-320 Practice of Business in the European Union (3)

Offered as part of the AU Abroad program in Brussels, this course looks at how the European Union shapes the international business environment. It explores the EU's economic, legal, and political structures that govern business practice in Europe. It also studies how businesses try to shape that environment by influencing EU policy making.

IBUS-390 Independent Reading Course in International Business (1-3)

Prerequisite: permission of instructor and department chair.

IBUS-391 Internship in International Business (1-6)

Provides students with the opportunity to blend practical business work experience with academic study. The academic workload varies depending on the internship credit to be earned. *Prerequisite:* IBUS-300 and permission of instructor.

IBUS-401 Cultural Environment of International Business (3)

The cultural factors affecting international business operations and their influence on the principal business functions of finance, marketing, procurement, production, public and external relations, and research and development. *Prerequisite:* IBUS-300 and upper-division standing.

IBUS-402 International Human Resource Management (3)

Focuses on the components of international human resource management and how they are used by multinational corporations. Students examine international compensation systems, international recruiting policies, international training and development programs, international labor relations issues, performance appraisal in the international environment, cross-cultural considerations, and safety and termination considerations. *Prerequisite:* IBUS-300 and upper-division standing.

IBUS-404 International Accounting and Financial Consulting (3)

This course explores the issues and tasks involved in international accounting and financial consulting. Focuses primarily on the content of international consulting practice and developing the skills necessary to compete in this environment. *Prerequisite:* IBUS-300, ACCT-241, and upper-division standing.

IBUS-408 Export-Import Management (3) The management of the marketing processes of export/import operations, particularly for small and medium size firms. Includes the decisions involved with export/import activities, market selection strategies, distributor and supplier selection considerations, financing operations, supporting documentation, and the general management of export/import marketing variables. *Prerequisite:* upper-division standing.

IBUS-420, IBUS-421 International Business and Trade Seminar I (4), II (4) Provides an in-depth introduction to the nature and workings of international business and trade through lectures and seminars with decision makers in Washington, D.C. Also focuses on the functional operations of international business including marketing, HRM, finance, accounting, and international law. *Prerequisite:* admission to the Washington Semester Program.

IBUS-422 International Business and Trade Seminar Research Project (4) For students in the program who wish to conduct substantive research. Students are encouraged to utilize the resources of the city through interviews, surveys, and examination of primary and secondary sources from government and private sector organizations. Usually offered every term. *Prerequisite:* admission to the Washington Semester Program.

IBUS-423 International Business and Trade Internship (4) An opportunity to intern with one of many national and multinational agencies and organizations while participating in this program. The work component is supplemented by class discussions and assignments. Usually offered every term. *Prerequisite:* admission to the Washington Semester Program.

IBUS-463 International Finance (3) Business finance in a global context. The structure and nature of the foreign exchange markets, including measuring and managing foreign exchange risk, hedging in an international context, the international monetary system, international corporate structure and aspects of financial operation of the multinational firm. The cost of capital and capital budgeting in an international context are also studied. Meets with FIN-463. *Prerequisite:* FIN-365.

IBUS-471 Peace through Entrepreneurship and Global Business Practicum (3) The course has three major components: experiential learning in which students work in teams to assist entrepreneurs in post-conflict regions to develop their business plans; seminars led by guest speakers with on-the-ground experience with entrepreneurship, global business, and economic development in post-conflict areas; and a guided research component wherein students choose a specific topic within the spectrum of peace through commerce issues. Meets with IBUS-671 and MGMT-471/671.

IBUS-490 Independent Study Project in International Business (1-3) *Prerequisite:* IBUS-300, upper-division standing, and permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

IBUS-550 Microfinance in Global Business Development (3) This course provides students with an introduction and overview of the microfinance field. It covers the history and evolution of microfinance, the characteristics of microenterprises, application of financial sector development concepts to microfinance; tools for measuring poverty and impact of microfinance services; financial and technical assessment tools for measuring financial and managerial performance of microfinance institutions, the sources of equity and debt financing for microfinance; and new players in microfinance. *Prerequisite:* IBUS-300 and FIN-365, or IBUS-618 and FIN-614, or permission of the instructor.

Graduate Courses

IBUS-610 International Business Analysis (1.5) This course focuses on country, regional, and global business analysis to provide additional expertise in international business necessary to understand strategy in the international context. *Prerequisite:* enrollment in MBA program or permission of instructor.

IBUS-618 Manager in the International Economy (3) The practices and principles involved in conducting the functional aspects of business in an international context; includes the study of the nature, scope, and trends of international business as well as the international monetary system, international agreements, and considerations resulting from the environmental differences between nations.

IBUS-619 Seminar in Global Business and International Trade (3) This course provides a conceptual and practical understanding of global business and trade. Through the seminar, students meet with representatives and experts from trade associations, national and multinational corporations, international organizations, U.S. government agencies, and members of Congress who deal with global business and trade issues affecting the United States and the world. Students gain an insider's view of how business functions in an increasingly interdependent and globalized world. *Prerequisite:* admission to the Graduate Gateway Program and permission of department.

IBUS-671 Peace through Entrepreneurship and Global Business Practicum (3) The course has three major components: experiential learning in which students work in teams to assist entrepreneurs in post-conflict regions to develop their business plans; seminars led by guest speakers with on-the-ground experience with entrepreneurship, global business, and economic development in post-conflict areas; and a guided research component wherein students choose a specific topic within the spectrum of peace through commerce issues. Meets with IBUS-471 and MGMT-471/671.

IBUS-685 Topics in International Business (1.5-9) Topics vary by section, may be repeated for credit with different topic. Rotating topics related to current and emerging issues in international business.

IBUS-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

IBUS-691 Internship (1.5) May be taken pass/fail only. *Prerequisite:* permission of instructor and department chair.

410 Course Descriptions

IBUS-700 International Finance (3) Financial operation of the multinational firm, including the sources of funds, foreign investment decisions, and international transactions and taxation. Also included is a study of the related aspects of the international monetary system, foreign exchange markets, measuring and managing foreign exchange risk, and international banking. Meets with FIN-700. *Prerequisite:* FIN-614.

IBUS-701 International Banking (1.5) Familiarizes students with the environment and modus operandi of multinational banks, with the focus on policy- and concept-oriented issues in international banking. Includes the structure of international banking, basic functions of international banks, offshore banking, foreign exchange management, risk management, off-balance sheet activities, the regulatory environment, country and political risk assessment, and international bank supervision, all addressed from both a theoretical and practical viewpoint. *Prerequisite:* FIN-614; and IBUS-610 or IBUS-618.

IBUS-705 Export/Import Management (1.5) The study of the practices and procedures of the export and import processes. The emphasis is on international logistics, the role of the international trade intermediaries, and the development of the export marketing program, particularly for small companies. *Prerequisite:* Prerequisite: MKTG-610, MKGT-612, or MKTG-632; and FIN-614.

IBUS-734 International Dimensions in Management: Research (1) Through applied research, students extend their understanding developed in prior study abroad experience in IBUS-744. Students develop an extensive research paper based on analysis of an industry or a specific company's operations in an emerging market country. *Prerequisite:* IBUS-744.

IBUS-740 Project Finance in Developing and Transitional Economies (1.5) This course covers the entire cycle of issues and activities in the field of project finance, especially as practiced in developing and transitional economies. Use of case studies and real project models to examine techniques and strategies currently used in multinational institutions, such as the International Finance Corporation, to conduct stand-alone private sector projects.

IBUS-744 International Dimensions in Management: Study Abroad Project (2-3) Students develop a deeper understanding of the international dimension of management through a combination of class preparation and study abroad. Students play an active role in the design of the course, which varies according to the specific industry/country. The travel component includes company visits and structured meetings with business executives and experts, and provides an important experiential element to the study of international business environments. *Prerequisite:* permission of instructor or Kogod international program manager.

IBUS-745 Global Supply Chain Management (3) This course introduces a set of approaches designed to efficiently integrate suppliers, manufacturers, warehouses, and stores so that merchandise is produced and distributed at the right quantities, to the right locations, and at the right time in order to minimize systemize costs while satisfying service level requirements. The course utilizes case studies and computer simulations to illustrate and reinforce effective supply chain management approaches in both global and domestic organizations.

IBUS-747 Doing Business in Different National and Cultural Environments (1.5) This course develops an understanding of the business environment facing multinational firms in different country contexts, particularly in emerging and transition economies. Emphasis is placed on identifying factors that influence national competitiveness, understanding why some countries are more competitive than others, and how institutions affect the business environment. The course also includes an introduction to corporate governance structures and how they differ across countries.

IBUS-748 Management in Emerging Markets (1.5) This course develops an understanding of the unique strategic and managerial challenges facing multinational firms, particularly in emerging and transition economies, and the managerial challenges associated with running multinational organizations. The course focuses on the firm- and industry-level of analysis and the managerial and strategic issues associated with doing business in different country contexts.

Interdisciplinary

Undergraduate Courses

IDIS-070 Introduction to the Fields of Medicine (0) This course is an introduction to the various health professions, their requirements, training, responsibilities, and daily practices. To help students learn about the various professions in medicine and make educated choices about their profession, guest speakers discuss how they prepared for training, what type of post-graduate training was necessary, what they do on a daily basis, and what they do and don't like about their profession. Usually offered every spring.

IDIS-210 Contemporary Multi-Ethnic Voices FA4 (3) This course examines how ethnicity affects the organization of society, the relationship between and among the individual, communities, and society, and how artists negotiate their own understanding of ethnicity in contemporary American society. Literature, films, theatre, walking tours, and a community service project introduce students to the critical concepts, patterns, and issues that reflect multi-ethnic perspectives. The course also explores the relationship between ethnicity, values, and ethics in American society and fosters critical thinking based on reasoned evidence.

Business: Information Technology

Undergraduate Courses

ITEC-200 The Edge of Information Technology (3) Students gain competency in a broad range of technologies used in the twenty-first century workplace through the use of hands-on learning. Includes an introduction to information systems applications used in planning, tracking, marketing, and management control, including spreadsheets, databases, and web-based tools. The course also provides the conceptual foundations in understanding technologies: computer platforms of hardware and software; networking; and security.

ITEC-320 Business Analytics (3) Analytics is the process of transforming data into insight for making better decisions. It involves specifying a question, problem, or decision and finding the right answers using data. The process begins with identifying the appropriate data sources (internal and/or external, structured and/or unstructured), and the appropriate models, tools, and methods for analysis. Three areas of analytics are covered in this course: descriptive analytics examines historical data and identifies and reports historical patterns and trends; predictive analytics predicts future trends and outcomes and discovers new relationships; and prescriptive analytics formulates and evaluates new ways for business to operate. Students are introduced to models, tools, and method that are commonly used in each area of analytics. They develop skills in analytics that allow them to present data-driven solutions to problems in different business disciplines and functions. The course emphasizes model development and use of software tools to manage, report, and analyze data to achieve the best outcomes for a business. *Prerequisite:* ITEC-200 and STAT-202.

ITEC-333 Topics in Information Technology (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include emerging technologies and new management approaches.

ITEC-334 Online Application Development (3) This course takes the student step by step through the process of developing and deploying a business application online, while learning the fundamentals of web programming. The course includes external web hosting services, domain name setup, web page design, web programming with simple scripting languages, database manipulation through the web, and application security issues. *Prerequisite:* ITEC-200 or permission of instructor.

ITEC-335 Social Networking, Social Media, and Web 2.0 (3) Social software such as Facebook and Twitter are rapidly becoming a mainstream part of how organizations interact with employees, customers/constituents/members, and the public. This course explores how to weave wikis, blogs, microblogs, social networks, virtual worlds, online collaboration, gadgets, widgets, and web2.0 into the fabric of marketing, management, service, and support. Hands-on activities explore mobile, virtual, and other aspects of social media and social networking.

ITEC-350 Digital Leadership and Strategy (3) Information and digital technologies have profound impacts on virtually all organizations. In this course students learn what it takes to be an effective leader in the digital economy and how organizations strategically use information and digital technologies to improve their performance. Students learn theories, principles, and applications for information resource management; e-business models; enterprise systems; digital leadership; and IT governance.

ITEC-355 Production/Operations Management (3) Production and operations management (POM) refers to the management of all activities and processes involving materials, people, capital, information, and other resources in order to produce goods and provide services. This course introduces the basic elements of POM including operations strategy, capacity management, total quality management, managing delays, service operations, and supply chains. Considerable emphasis is placed on the development of quantitative models to represent POM decisions and the use of analytical tools. *Prerequisite:* ACCT-241, ECON-200, MATH-211 or MATH-221 (may be taken concurrently), and STAT-202.

ITEC-388 Information Technology for Financial Services (3) Financial services firms are the leaders and largest investors in the use of information technology (IT). Considered early IT adopters; retail; investment; and mortgage banks; insurance companies; brokerage, and even entire stock exchanges use IT to improve efficiency and effectiveness. Learning in this course focuses on IT-centric activities including interactive stock market simulations and IT-based research tools. Students evaluate the viability and feasibility of IT investment opportunities. *Prerequisite:* ITEC-200 and FIN-365.

ITEC-390 Independent Reading Course in Information Technology (1-3) *Prerequisite:* permission of instructor and department chair.

ITEC-391 Internship in Information Technology (1-6) *Prerequisite:* ITEC-200 and permission of instructor.

ITEC-454 Fundamentals of Digital and Mobile Commerce (3) Electronic commerce, the buying and selling of information, products, and services through purely electronic means, promises to revolutionize the conduct of business. A survey of consumer-to-business and business-to-business electronic commerce models, systems, and technical solutions. Includes hands-on projects and assignments. *Prerequisite:* ITEC-200 or permission of instructor.

ITEC-455 Business Process and Requirements Analysis (3) The first step in every system implementation project is to gather business process and functional requirements from the system's stakeholders. In this course students learn state-of-the-art approaches to performing this activity. They develop a system concept statement that captures the essence and value of the system; analyze business process and functional needs; analyze user requirements; model those requirements; and prepare formal requirements specifications. Methods include business process modeling; use case modeling; data modeling; object oriented techniques; and project analysis. *Prerequisite:* ITEC-200 or permission of instructor.

ITEC-460 Business Intelligence (3) Top global companies regularly fail to make insightful decisions about significant patterns and changes in their business environments and markets, even though the data related to these decisions is available. Business Intelligence (BI) connects data from multiple sources to produce meaningful information and identify patterns and trends to inform such decisions. BI encompasses the methodologies, metrics, processes, and information systems used to monitor and manage an enterprise's business performance and support strategic decision-making. BI systems encompass a blend of technologies such as data warehousing, data mining, business analytics, predictive statistics, online analytical processing, and visual data representations (e.g., dashboards, data cubes), which when put together, provide decision makers with the most powerful business insights derived from multiple internal and external data sources. This course exposes students to the management practices, methodologies, and technologies that major corporations are applying in order to supply executives with the knowledge needed to succeed. The course includes readings, case studies, guest speakers, exposure to BI tools, and a data analytics project. Meets with ITEC-660. *Prerequisite:* ITEC-200 and STAT-202.

ITEC-466 Cyber Security Risk Management (3) Information security is rapidly becoming a critical aspect of corporate life that business professionals cannot afford to be unaware of. The potential risks associated with various and increasingly diverse digital security breaches are on the rise and the related recovery costs are very great. This course focuses on three key areas: the risks associated with information management in the digital economy; the most effective personal and business practices to manage these risks; and the associated information forensics to understand where and how information can be traced. Individual, corporate, and national/global aspects of information security risks are covered, as well as issues related to risk understanding, assessment, and management, corporate governance, and incident response. Meets with ITEC-666. *Prerequisite:* ITEC-200.

ITEC-470 Database and Big Data (3) This course introduces important database concepts, including data modeling, database design, data extraction and data analysis skills needed to transform raw data into useful business information and knowledge for decision making and problem solving. Topics include relational design, data warehousing, data mining, data visualization, data search, knowledge management, business intelligence, data querying, basic analytics and reporting. Meets with ITEC-670. *Prerequisite:* ITEC-200 or permission of instructor.

ITEC-477 Microsoft Certification (1) Topics vary by section, may be repeated for credit with different topic. This hands-on workshop builds on the activities in ITEC-200 to help students acquire the additional skills and knowledge needed to successfully complete the Microsoft Office Specialist (MOS) exam. The MOS program is the only performance-based certification program approved by Microsoft to assess and validate skills using Microsoft products. All students take the certification exam on the second day of the workshop. May be taken pass/fail only. *Prerequisite:* ITEC-200.

ITEC-490 Independent Study Project in Information Technology (1-3) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

ITEC-601 IT Tools for Managers (1.5) Students are introduced to a variety of information technology (IT) tools that represent the essential foundation for personal productivity, analysis, decision-making, and management in any organization. These include spreadsheets, databases, presentation tools, and others. The focus is on lab work and hands-on assignments where students learn to solve business problems and manage data using popular software applications.

ITEC-610 Applied Managerial Statistics (3) Business decision problems can be characterized as situations in which managers must select the best alternative from several competing alternatives. Managers frequently rely on results from statistical analyses to help make the best decision. The decision-aiding tools that can be applied by managers to gain insight into decision problems range from simple graphic displays of data to sophisticated statistical tests. Students use real-world data sets and PC-based software to describe sets of measurements, construct probability distributions, estimate numerical descriptive measures, and build multiple regression models. *Note:* a college-level finite mathematics course is highly recommended.

ITEC-611 Applied Management Science (3) Designing and operating complex real-world systems using management science applications in production, distribution, transportation, and inventory management. How to mathematically model decision problems, solve the models using state-of-the-art software, analyze output, and implement results. *Prerequisite:* ITEC-610.

ITEC-616 Management Information Systems (3) The theoretical, technological, practical, and managerial foundations of management information systems. Includes information technologies, systems development, the impact of information systems on business organizations, information technology as a competitive tool, and the management of information systems within domestic and multinational corporations.

ITEC-617 Information and Technology (1.5) Successful managers understand the value of information technology (IT) and know how to apply IT to critical aspects of their jobs. This course provides business students with an understanding of the strategic, tactical, and operational roles of IT in business. Through case studies and assignments, students learn how to manage and apply IT to achieve business objectives. *Prerequisite:* enrollment in MBA program or permission of instructor.

ITEC-618 Applied Production and Operations Management (1.5) This course provides an introduction to production and operations management (POM), the process of managing people and resources in order to produce goods or provide services. Decisions related to forecasting, aggregate planning, facility location, project scheduling, inventory control, and supply chain management are discussed. Considerable emphasis is placed on the development of models to represent POM decision problems and the use of analytical tools and software to support the POM function. *Prerequisite:* ITEC-610 and enrollment in MBA program, or permission of instructor.

ITEC-630 Business Process Analysis (3) In this course students learn how to conduct business analysis to document business processes and describe the functional requirements for the corresponding business application and then analyze the information requirements to support the application. The course has a strong hands-on component which prepares students for information technology (IT) consulting and business analysis practices. Students work in teams on a consulting project with an organization to develop formal requirement specifications for the client's business application.

ITEC-631 Operations and Information Management (3) Introduction to operations and services management and decision-aiding tools, as well as information and knowledge systems that support managers in their decision-making role. Includes statistical analysis, forecasting, capacity planning, project management, database analysis, decision support tools, information systems, information technologies, the Internet, and systems solutions.

ITEC-636 Management Information Systems for Public and Nonprofit Organizations (3) This course covers the theoretical, technological, practical, and managerial foundations of management information systems. Includes the role of information technologies in organizations, strategies for systems development, the impact of information systems (IS) on public organizations, information technology (IT) as a strategic tool, and the management of information systems within domestic and global enterprises. The course introduces students to current systems and software, as well as ethical and social issues, managing data, information, and knowledge, the influence of the Internet on government and social systems, electronic collaboration, global telecommunications, decision making and IT, and managing international IS. *Note:* for nonbusiness graduate students only.

ITEC-640 Global Connectivity (1.5) Introduces business students to current and emerging technologies in telecommunications, internet, and wireless. Includes case studies of business solutions for global firms. *Prerequisite:* ITEC-616 or ITEC-617 (may be taken concurrently) or permission of instructor.

ITEC-641 Global Collaborative Technology and Virtual Teams (1.5) Information technology has enabled astonishing communication, but working over distance can also create problems. Operating in virtual teams is a required competency for today's manager. This course covers the conceptual, practical, and technological components of building and managing these virtual teams. Theoretical and behavioral research informs learning and students gain hands-on experience with state-of-the-art collaborative technologies.

ITEC-643 Project Management (3) Effective project management skills are required for managers, executives, and consultants as a great deal of work in organizations is initiated and delivered through projects. Due to the increasing complexity of business and technology environments, it is challenging for managers to complete mission-critical projects on time and within budget while satisfying project stakeholders. This course educates students to become competent project managers. In the course students learn about the industry-standard Project Management Body of Knowledge (PMBOK) including important project management concepts, frameworks, principles, methodologies, techniques, and tools through interactive, engaged, and experiential learning processes.

ITEC-652 Strategic Management of Global Information Systems (1.5) The strategic role of global information systems and the management issues associated with planning, designing and leading global information systems organization. Managerial responsibilities and strategies are presented through readings, cases, structured discussions and research projects. *Prerequisite:* ITEC-616 or ITEC-617 (may be taken concurrently) or permission of instructor.

ITEC-653 Managing the Global Information Systems Organization (1.5) The organization, management and control of information systems operation, development, implementation, and personnel on a global scale. Managerial responsibilities and tactics are presented through readings and case studies. *Prerequisite:* ITEC-616 or permission of instructor.

ITEC-654 Nations, Policy, and Information Technology (1.5) This course covers the national, regional, and international issues of information technology (IT), including national policies to enable information technology, technology clusters, technology diffusion, and technology workforce. Students conduct a national IT assessment to understand the implications for the globally competing firm.

ITEC-655 Outsourcing and Offshoring (1.5) A practical survey of the operational, strategic, economic, political, and social issues of offshore outsourcing. The course examines all stakeholders including the clients and the providers as well as both client and supplier nations. Students apply two levels of analysis: firm decision making and national policy. At the firm level, students identify what to outsource/offshore and what not to, and understanding the transition and planning issues in outsourcing and offshoring. At the policy level, student develop their own prescriptive approaches for both wealthy nations and low-wage nations.

ITEC-656 Topics in Management of Global Information Technology (1.5) Topics vary by section, may be repeated for credit with different topic. Rotating topics include emerging technologies and new managed approaches. *Prerequisite:* ITEC-616 or ITEC-617 (may be taken concurrently) or permission of instructor.

ITEC-658 International Electronic Commerce (1.5) Electronic commerce is the conduct of intra-organizational transactions and messages through purely electronic means. This course presents a survey of consumer and business-to-business electronic commerce models, strategies, and technical solutions.

ITEC-660 Business Intelligence (3) Top global companies regularly fail to make insightful decisions about significant patterns and changes in their business environments and markets, even though the data related to these decisions is available. Business Intelligence (BI) connects data from multiple sources to produce meaningful information and identify patterns and trends to inform such decisions. BI encompasses the methodologies, metrics, processes, and information systems used to monitor and manage an enterprise's business performance and support strategic decision-making. BI systems encompass a blend of technologies such as data warehousing, data mining, business analytics, predictive statistics, online analytical processing, and visual data representations (e.g., dashboards, data cubes), which when put together, provide decision makers with the most powerful business insights derived from multiple internal and external data sources. This course exposes students to the management practices, methodologies, and technologies that major corporations are applying in order to supply executives with the knowledge needed to succeed. The course includes readings, case studies, guest speakers, exposure to BI tools, and a data analytics project. Meets with ITEC-460. *Prerequisite:* ITEC-610 and ITEC-616, or permission of instructor.

ITEC-666 Cyber Security Risk Management (3) Information security is rapidly becoming a critical aspect of corporate life that business professionals cannot afford to be unaware of. The potential risks associated with various and increasingly diverse digital security breaches are on the rise and the related recovery costs are very great. This course focuses on three key areas: the risks associated with information management in the digital economy; the most effective personal and business practices to manage these risks; and the associated information forensics to understand where and how information can be traced. Individual, corporate, and national/global aspects of information security risks are covered, as well as issues related to risk understanding, assessment, and management, corporate governance, and incident response. Meets with ITEC-466. *Prerequisite:* ITEC-616.

ITEC-670 Database and Big Data (3) This course introduces important database concepts, including data modeling, database design, data extraction and data analysis skills needed to transform raw data into useful business information and knowledge for decision making and problem solving. Topics include relational design, data warehousing, data mining, data visualization, data search, knowledge management, business intelligence, data querying, basic analytics and reporting. Meets with ITEC-470. *Prerequisite:* ITEC-601 or permission of instructor.

ITEC-677 Microsoft Certification (1) Topics vary by section, may be repeated for credit with different topic. This hands-on workshop builds on the activities in ITEC-601 to help students acquire the additional skills and knowledge needed to successfully complete the Microsoft Office Specialist (MOS) exam. The MOS program is the only performance-based certification program approved by Microsoft to assess and validate skills using Microsoft products. All students take the certification exam on the second day of the workshop. May be taken pass/fail only. *Prerequisite:* ITEC-601.

ITEC-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

ITEC-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

ITEC-700 The Information Systems Organization and Information Technology Staffing (3) This course covers information technology (IT) structures, principles, and leadership, with an emphasis on individual, team, and cultural behaviors and the management of change in IT domains. Emphasis is on business practices within IT environments, with the major focus of the course on change management and managing people and IT staffing as a critical element of IT management.

ITEC-701 Architectures and Infrastructures for Delivering Information Technology Services (1.5) An overview of the components, terminologies, and properties of globally-distributed information technology (IT) delivery systems including: computer hardware, systems and applications software, networks and telecommunications, alternative systems architectures, concepts of IT systems distribution and performance, security, and evolving technologies. Focuses on the bodies of knowledge that affect the configuration of systems and their performance and costs in a global economy. *Prerequisite:* ITEC-616 or ITEC-617.

ITEC-702 Quantitative Methods for Information Technology Management (1.5) Covers quantitative methods used by information technology (IT) managers to model and solve business decision problems and analyze competitive business strategies. Applications in forecasting, mathematical programming, decision modeling, game theory, project management, and simulation are presented. Commercial PC-based software packages are used to generate results.

ITEC-704 Finance and Accounting for Information Technology Management (3) Study of principles, concepts, and elements associated with financial statements and investments. Includes financial statement analysis, income measurement, valuation of assets and equities, and generally-accepted accounting principles, budgeting, information technology (IT) project financing, total cost of ownership, return on investment, and evaluation techniques for feasibility are emphasized.

ITEC-705 Systems Analysis and Design (3) This course examines and applies modern object-oriented techniques for modeling organizational data and processes using Unified Modeling Language (UML) and Computer Assisted Software Engineering (CASE), and the transformation of analysis models into solutions for delivery of functionality including: systems development life cycles, analysis and modeling of business processes, requirements gathering, use-case, structural, and behavioral models, design strategies, test suite design and testing tools, system architecture issues, user interfaces, and implementation. Emphasis is on the use of tools to develop intranet or internet applications.

ITEC-707 Information Technology Operations Management (1.5) Examines the critical issues, strategies, and tactics for managing information technology (IT) operations. Specifically, identifies the key issues in IT operations, and discusses managing IT for competitive business advantage, creating business models, IT operations planning, outsourcing IT functions, building networked businesses and managing networked infrastructure, and reliability and security issues in providing IT services. *Prerequisite:* ITEC-616 or ITEC-617.

ITEC-708 Information Technology Systems Engineering and Project Management (3) Current methods for developing information technology (IT) systems and software with an emphasis on teamwork. The course covers the planning and development of IT projects including: tools for systems development, conceptualizing and initiating IT projects, project and development processes, the human side of project management, risk analysis and management, defining and managing project scope, quality management, systems modeling, design concepts, and system testing, deployment, and maintenance.

ITEC-709 Managing the Information Technology Vendor Relationship (1.5) A survey of information technology (IT) procurement and contracting dealing with the client and user in a global business environment. Includes principles of project requests, proposals, business case development, client relationship building, and what it means to deliver value. *Prerequisite:* ITEC-616, ITEC-617, or ITEC-708, or permission of instructor.

ITEC-710 Managing the Global Information Technology Organization (1.5) Includes information systems (IS) alignment with corporate strategy, IS planning, IS performance measurement, global outsourcing management, application portfolio management, assessing emerging technologies, managing systems implementation, electronic business, etc. Case studies are used with special emphasis on performance measurement of components of managing an IT department including: selecting standards, staffing strategies, diversity, personnel management, integrating IT systems across global telecommunication systems, change management, and security.

ITEC-711 Information Technology Management Capstone (3) This capstone course provides an opportunity for students to synthesize and apply theory, concepts, knowledge, and experiences learned in the information technology program. Students define and defend solutions to complex information technology (IT) management problems described in case studies, and write and present a major paper on an IT management problem. *Prerequisite:* FIN-630, ITEC-630, ITEC-701, ITEC-708, and MGMT-609 or MGMT-633.

ITEC-712 Information Security Management (1.5) Students gain the knowledge needed to guide their organizations in the protection of critical digital information. Includes policy, risk, privacy, incident response, and business continuity. Students develop a solid foundation in all ten Certificate Body of Knowledge (CBK) elements required for the Certified Information Security Systems Professional (CISSP) examination.

ITEC-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* completion of 24 graduate credit hours and permission of department.

Justice, Law and Society

Effective January 1, 2014, the Department of Justice, Law and Society (JLS) will become the Department of Justice, Law and Criminology (JLC).

Undergraduate Courses

JLS-101 Introduction to Law (3) A general introduction to law and the legal system, including a survey of substantive law in both civil and criminal arenas. Students learn how the legal system operates and the basic categories of law, as well as discussing controversial issues in each area of law. Usually offered every term.

JLS-102 Selected Topics in Leadership (1-3) Topics vary by section, may be repeated for credit with different topic. Analyses of topics in leadership in a global era, with special attention to law and justice, politics and political reform, and civil and human rights. Usually offered every summer. *Prerequisite:* permission of department.

JLS-103 Critical Issues in Justice (3) Political, legal, economic, and social problems of justice emphasizing crime, deviance, and other conduct resulting in such socially disapproved labels as mentally ill, delinquent, and criminal. Moral and theoretical issues involved and mechanisms for remedying injustice and controlling socially disapproved behavior. Usually offered every term.

JLS-104 Introduction to Systems of Justice (3) An overview of the formal mechanisms of social control as manifested by the components of the criminal justice system (legislatures, planning agencies, law enforcement, courts, and corrections), civil justice systems, and such other mechanisms as civil commitment. Alternatives to formal processing including diversion, pretrial screening and dispute-settlement programs. Usually offered every term.

JLS-110 Western Legal Tradition FA2 (3) From the biblical era to the American experiment, the Western legal tradition encompasses primitive, divine, natural, canon, secular, and common law. This course examines the key legal documents and issues of the tradition including the Code of Hammurabi, the Ten Commandments, the trials of Socrates and Jesus, the Magna Carta, the Rule of Law, and Common law. Usually offered every term.

JLS-200 Deprivation of Liberty FA4 (3) Analysis of the values, costs, and logic of the manners in which classes of people (e.g., criminals, drug abusers, the mentally ill) are defined as dangerous; analysis of the specific means of limiting their ability to harm others, the public order, or themselves. Emphasis on imprisonment, institutionalization, probation, capital punishment, and enforced treatment. Usually offered every term.

JLS-201 Philosophical Problems in the Law (3) This course provides an introduction to the philosophical perspective of the law. Issues discussed include the nature of law and judicial decision making, criminal responsibility, the justification of punishment, and the moral basis of property rights. The course emphasizes analytical reading and writing. Usually offered every term. *Prerequisite:* JLS-101.

JLS-202 History of International Thought and Law (3) This course explores the evolution of thought in international relations from 500 BCE through 1960, emphasizing the history of political philosophy of international relations, history, and international law. Usually offered every term.

JLS-203 Law and Social Theory (3) An introduction to some of the seminal works and issues involved in the creation of modern social science and the application of these ideas to law. Critical examination of the epistemological assumptions of these theories and whether human behavior and social relations are susceptible to rigorous scientific explanation. Usually offered every fall. *Prerequisite:* JLS-101.

JLS-205 Introduction to Criminology (3) Development of theories of criminology and criminal justice over the course of history with special attention to the period from 1700 to the present. Review and evaluation of contemporary knowledge and theories of crime. Usually offered every term.

JLS-206 Justice and Deviant Behavior (3) Consideration of conformity and deviance in the light of broader issues of social justice (poverty, racism, sexism, alienation, etc.), of interactions between persons and groups that engage in and sanction deviance, of the role of ideology in the definition of deviance, and of the social policy consequences of deviance definition. Usually offered every fall.

JLS-210 Policing in America: An Introductory Survey (3) A survey of the history, development, environment, organization, and sociology of American law enforcement, with emphasis on state and local police agencies. Police as an agency of social control; police as a service agency; police as a part of government and of the justice system. Usually offered every fall. *Prerequisite:* JLS-104.

JLS-211 Contemporary Issues in American Law Enforcement (3) Policy formulation; operational procedures; patrol; performance measurement; women and minorities in policing; labor-management relations; corruption; political accountability; use of force; citizen complaints. Usually offered every spring.

JLS-215 Violence and Institutions FA4 (3) The capacity for violence by agents of an institution acting in service of organizational goals. Through evaluation of case studies, students gain an understanding of the dynamics of institutional violence and its threat to human life. Includes hazardous workplaces, unethical experimentation, dangerous products, torture and terrorism, police and prison use of deadly force, and the death penalty. Usually offered every spring.

JLS-225 American Legal Culture FA2 (3) The law has become one of the most important regulators in American culture. How did this happen? This course explores the transformation of American legal culture from the colonial era to the present, considering such issues as the challenges of crime, the Cold War and civil rights, the rise of the surveillance state, and images of law in popular culture. Usually offered every term.

JLS-230 Corrections in America (3) Survey of current correctional thought and practices in the United States and their evolution. Overview of correctional treatment in different kinds of institutions and in the community. Usually offered every fall.

JLS-245 Cities and Crime FA4 (3) Have crime and the urban environment always been linked? Their relationship from biblical times to the present, including the criminal underworld in the eighteenth century; the emergence of juvenile delinquency following the industrial revolution; the literary imagination and mid-nineteenth century urban crime; and crime in developing countries. Usually offered every term.

JLS-280 Introduction to Justice Research (3) Social research methods as applied to justice research. The function and role of justice research and the nature and form of research designs, methods, and tools. Usually offered every term.

JLS-301 Drugs, Consciousness and Human Fulfillment (3) Positive approaches to achieving alternative states of consciousness with and without drugs; the nonaddictive use of addicting drugs; a balanced assessment of the latest findings on the dangers and benefits of the most widely used nonopioid recreational drugs, such as marijuana, tobacco, caffeine, alcohol, quaaludes, and cocaine; choices for individuals and society regarding the use and control of the substances. Usually offered every spring.

JLS-303 Drugs, Alcohol, and Society (3) Fundamental issues regarding alcohol and drug use and abuse; addiction; treatment and prevention; the history of alcohol, opiates, and other drugs in the United States and other countries, particularly Great Britain; the formulation of public policies and laws; impact and costs for society. Usually offered every fall.

JLS-304 British Law and Justice System (3) Offered as part of the AU Abroad London Semester, this course explores basic British law and the institutions that administer it. Students analyze the law and the justice system in their moral, social, economic, and political contexts. Usually offered every term.

JLS-307 Justice, Law and the Constitution (3) The historical development, theory, principles, and content of criminal and civil law and their interrelationships; exploration of due process, rule of law, and the role of the Constitution in protecting rights and limiting the actions of both civil and criminal justice agencies. Usually offered every term.

JLS-308 Justice, Morality, and the Law (3) Moral issues involved in administering justice in society, emphasizing the nature of human rights and the ideal of justice. Moral consequences of official control actions of lawmakers, justice system careerists, and others involved in the definition of crime and deprivation of liberty, stressing "moral offenses."

JLS-309 Justice and Public Policy (3) Examines current basic national, state, and local policy issues that affect the definition of crime and shape public agency responses toward crime. The objective of the course is to sharpen and improve the student's policy-oriented thinking about crime in a constitutional democracy and to develop a method to evaluate policy related to crime. Usually offered every term.

JLS-310 The Legal Profession (3) Analysis of the structure of the legal profession from U.S. and cross-cultural perspectives. Includes the structure and organization of the bar, the social hierarchy of the profession, ethical and moral issues faced by lawyers, the changing status of women and minorities in the profession, and access to legal services for the poor. Usually offered alternate falls.

JLS-311 Introduction to Forensic Science (3) Scientific analysis and identification of evidence and documents, special police techniques, interpretation of medical reports, and preparation of reports. Usually offered every fall. *Prerequisite:* JLS-104 and JLS-280.

JLS-313 Organized Crime (3) Organized crime in the United States; its effect on society and the need for integrated response by people, government, and business. Organized crime as a social subculture. Socioeconomic and political aspects of organized crime emphasizing internal controls and external relations with various political and economic sectors. Usually offered every term.

JLS-315 White-Collar and Commercial Crime (3) Economic and fiscal implications and enforcement problems. Fraudulent association, bankruptcy fraud, monopoly and coercive competitive practices, and illegal use of securities and credit cards. Problems of theoretical criminology presented by white-collar crime. Usually offered every spring.

JLS-332 Corrections and the Constitution (3) Examination of the evolving relationship between correctional agencies and the U.S. Constitution. Landmark court decisions are reviewed within the framework of competing demands for fairness and crime control. Contemporary correctional issues and emerging innovations are presented and discussed in the context of cost, effectiveness, and constitutional guarantees and protections. Usually offered every fall. *Prerequisite:* JLS-104 and JLS-280.

JLS-333 Law, Psychology, and Justice (3) Examines psycholegal research related to evidentiary issues in the criminal and civil justice process. Areas covered include accuracy of childhood testimony, eyewitness identification, judicial use of social science research, impact of nonadversarial versus adversarial expert testimony. Usually offered every spring.

JLS-342 Judicial Administration (3) Major issues in criminal and civil justice systems, including detention, plea bargaining, pre-trial motions, collateral attack. Roles of prosecutor and defense counsel. Discovery and other instruments for narrowing issues and expediting litigation. Alternative methods of resolution, judicial management problems, fact-finding, and the jury system. Usually offered every fall. *Prerequisite:* JLS-104 and JLS-280.

JLS-343 Issues in Civil Justice (3) This course examines the institutional arrangements that constitute our system of civil justice. It describes the various decisions that are made to transform a grievance between citizens into a matter that comes before civil courts as well as those procedures followed by the courts to resolve a matter. Usually offered every spring.

JLS-352 Psychiatry and the Law (3) Basic psychiatric principles including contemporary views of causes, manifestations, patterns, and treatments of psychiatric and behavioral disorders; trends in the use of psychiatric resources to deal with deviant behavior within and without the criminal justice system. Includes incompetence as bar to trial, insanity as defense, civil commitment, drug addiction, alcoholism, psychiatry in processing and treating juvenile offenders, and rehabilitative efforts of the corrections system. Usually offered every fall.

JLS-361 Laboratory in Leadership Development I (1) Structured and unstructured exercises, including community service activities, to increase students' understanding of leadership and the role of leaders in the public policy-making process, and develop their personal leadership skills in communication, group dynamics, value clarification, the development of vision, managing emotions in leadership situations, bargaining and negotiation, and the relationship of personal growth to leadership roles and functions. Meets with GOVT-361. *Prerequisite:* permission of director of SPA Leadership Program.

JLS-362 Laboratory in Leadership Development II (1) An advanced leadership development course that consists of structured and unstructured exercises designed to increase students' understanding of leadership and the role leaders play in the public policy-making process. Meets with GOVT-362. *Prerequisite:* JLS-361 or permission of director of SPA Leadership Program.

JLS-368 Juvenile Delinquency: Causes, Prevention and Treatment (3) Development of the individual through childhood and adolescence as it relates to delinquency and crime; special characteristics of juvenile criminality; current principles, policies, and practices for its prevention and control. Factors producing delinquency. Juvenile detention, juvenile court, training schools, and treatment of the offender. Usually offered every spring.

JLS-390 Independent Reading Course in Justice (1-6) *Prerequisite:* permission of instructor and department chair.

JLS-391 Internship (1-6) Internships with interest groups; congressional offices; and government agencies. Weekly seminar. *Prerequisite:* GOVT-210, GOVT-321, or PUAD-260, second semester sophomore standing, and permission of department.

JLS-401 Criminal Behavior: A Psychosocial Analysis (3) Examines various clinical and theoretical explanations for different types of criminal behavior including an analysis of the violent offender, the psychopathic offender, and the white-collar offender. Readings and other case-study material of actual criminal offenders are examined in order to develop an understanding of the causes and treatment. Usually offered every spring.

JLS-402 Comparative Systems of Law and Justice (3) A cross-cultural analysis of the role of law. Exploration of the administration of law and justice in various societies, from least developed to most developed. Special emphasis on comparative analysis of criminal justice systems, including policing, courts, and correctional systems. Usually offered every term.

JLS-410 Topics in Legal Theory (3) Topics vary by section, may be repeated for credit with different topic. Topics focus on the philosophical foundations of specific areas of law, such as the concepts of property, privacy, or rights, or on specific theoretical approaches to law, such as critical legal theory, critical race theory, or feminist legal theory. Usually offered every spring. *Prerequisite:* JLS-101 and JLS-201.

JLS-411 Topics in Legal History (3) Topics vary by section, may be repeated for credit with different topic. An introduction to the comparative study of legal history with a primary focus on the civil and common law traditions. Topics investigate the relational character of law in different settings and periods through diverse modes of historical and theoretical analysis. Usually offered every fall. *Prerequisite:* JLS-110 or JLS-202.

418 Course Descriptions

JLS-413 Topics in Law and Social Science (3) Topics vary by section, may be repeated for credit with different topic. Topics include various disciplinary perspectives of law such as politics of law, law and anthropology; and the social scientific approach to specific areas of law, such as punishment and society, and law, technology, and society. Usually offered every spring. *Prerequisite:* JLS-203.

JLS-421 Justice in the Face of Terror (3) Throughout history, society has grappled with the critical issues of constructing and maintaining a just society in the face of terror. This course studies issues of justice and responses to terror from the perspectives of history, ethics, literature, politics, and law, and works to evaluate the justice of societal responses. Usually offered every summer. Meets with JLS-621.

JLS-431 The Prison Community (3) Social organization in correctional institutions. Inquiry into the nature, organization, and aims of the penal system and its effect on groups it deals with. Interaction of groups within institutions. Usually offered every spring.

JLS-444 Topics in Criminal Justice (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics concerning criminal justice including the death penalty and the law, race and justice, and crime prevention. Usually offered every term. *Prerequisite:* JLS-104 and JLS-280.

JLS-445 Topics in Criminology (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics concerning criminology including terrorism and international crime, women and crime, and gangs and gang violence. Usually offered every term. *Prerequisite:* JLS-205 and JLS-280; or permission of instructor.

JLS-454 Violence in America (3) Emphasis on various ideologies and events that cause or reduce violence, such as social movements, depressions, war, and political repression.

JLS-458 The Juvenile and the Law (3) Special legal status of the juvenile. Protective services, incompetence to enter contracts, compulsory education, child labor laws, and *in loco parentis* actions by state and private institutions. Juvenile and family court movement, emphasizing noncriminal aspects of administering juvenile justice: guardianship, dependency, neglect, child support, paternity, and adoption. Usually offered every fall. *Prerequisite:* JLS-205 and JLS-280.

JLS-460 Political and Organizational Leadership (3) Examines major theories and research in public leadership, with emphasis on American political and administrative institutions. Case studies of leaders and leadership in complex public organizations. Relative impact of personality and organizational factors in leadership development. Emphasis on students' awareness of their own leadership style and development potential. Meets with GOVT-460. Usually offered every fall. *Prerequisite:* admission to SPA Leadership Program.

JLS-464, JLS-465 Transforming Communities Seminar I (4), II (4) The interdisciplinary Washington Semester in Transforming Communities seminars introduce students to community issues through lectures, guest speakers, and site visits to community-based and government organizations at the front lines of community transformation. Issues discussed include housing, business development, community safety, social policy, and education. Meets with GOVT-417/GOVT-418. Usually offered every term. *Prerequisite:* admission to program.

JLS-466 Transforming Communities Research Project (4) Students in the Washington Semester in Transforming Communities complete an original research project on an issue related to policy or grassroots activism. Usually offered every term. *Prerequisite:* admission to program.

JLS-467 Transforming Communities Internship (4) Washington Semester in Transforming Communities public or private sector internships in either policy making or project planning. Usually offered every term. *Prerequisite:* admission to program.

JLS-490 Independent Study Project in Justice (1-6) *Prerequisite:* permission of instructor and department chair.

JLS-491 Internship in a Justice Setting (1-6) Provides students with actual experience in the administration of justice through assignment to enforcement, judicial, or correctional agencies under joint supervision of agency officials and university instructors. *Prerequisite:* permission of instructor and department chair.

JLS-492 Washington Justice Seminar I: A National and Intergovernmental Perspective (4) Classroom section of seminar. Each session covers a specific area in terms of theory and operational principles and explores the roles of all three branches of government in creating and operating justice systems in federations. Usually offered every fall and spring. *Prerequisite:* admission to program.

JLS-493 Washington Justice Seminar II: A National and Intergovernmental Perspective (4) Laboratory section of seminar. Field visits with discussions led by agency personnel regarding the intergovernmental roles of their agencies and their place in justice systems. Theory and operational principles covered in JLS-492. Usually offered every fall and spring. *Prerequisite:* admission to program.

Graduate and Advanced Undergraduate Courses

JLS-504 Comparative Criminology and Criminal Justice (3) A comparative study of criminology and criminal justice systems as developed in the United States and elsewhere. Usually offered alternate springs.

JLS-517 Victimology (3) Victims as an integral part of crime. Theories and research results on the victim role, criminal-victim relationships, concepts of responsibility, and society's reaction to victimization. Sexual assault, child abuse, and victimization of the elderly. Crisis-intervention centers, court-related victim/witness services, restitution, and compensation.

JLS-521 Justice Workshop (1-6) Topics vary by section, may be repeated for credit with different topic. In-depth study of the philosophy, organizational structure, and operation of various institutions in the justice field, employing direct observation through on-site visits and discussions with officials, along with theoretical material. Rotating topics include insider's view of justice, offenders in society, and judicial affairs mediation. Usually offered every term.

JLS-526 Domestic Violence (3) A survey of domestic violence; spouse, sibling, and elder abuse; and sexual or other violence among intimates in its broader context and from a multidisciplinary perspective. Policies, laws, court decisions, and short and long term intervention strategies are considered. Usually offered every spring.

JLS-530 Concepts of Punishment (3) The philosophical issues associated with criminal punishment, particularly the moral justification for punishment. The relationship between theories of punishment and theories of the state, theories of ethics, and broader philosophical issues such as free will versus determinism. Usually offered alternate springs.

JLS-535 Gender and the Law (3) Gender and criminal, civil, and regulatory law. Criminal issues include sexual assault, prostitution, and the criminalization of pornography and sexual trafficking in women, and gender relations in the criminal justice system. Civil issues include marital and divorce laws and laws regarding reproduction. Other issues include sexual harassment and discrimination in housing, credit, insurance, employment, and education. Usually offered every fall.

JLS-536 Reproduction and the Law (3) Students undertake a historical, legal, and policy-based analysis of the laws and policies regulating human reproduction, with an emphasis on Supreme Court jurisprudence and current legislative efforts to both expand and curtail reproductive rights. Usually offered every fall. *Prerequisite:* JLS-101 or JLS-307, or permission of instructor.

JLS-550 Drugs, Crime, and Public Policy (3) Review of the history of drug abuse in America; the relationship between drug abuse and crime, including marijuana, heroin, and alcohol; national strategies to deal with drug abuse; improvement of policies in the future. Usually offered every fall.

JLS-551 Comparative Justice Studies Abroad (3-6) Topics vary by section, may be repeated for credit with different topic. Usually offered every summer.

JLS-585 Topics in Terrorism (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics concerning terrorism and security policy, including theories of terrorism and extremist violence, prevention of terrorism, and homeland security policy. Usually offered every fall.

JLS-590 Independent Reading Course in Justice (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

JLS-601 Law and Social Sciences (3) Historical and contemporary literature in law and the social sciences. Critical assessment of major research endeavors conducted by lawyers and social scientists, including plea bargaining, conflict resolution, the jury system, the legal profession, law and the mass media, and the function of law and public opinion in different societies.

JLS-602 Legal Theory (3) Introduction to the philosophical analysis of law and its role in society. The course considers questions such as what is law, how is it different from brute force, is there a moral obligation to obey the law, and what are the limits of legal responsibility. Classical, contemporary, and critical approaches, ranging from natural law theory to critical and feminist theory. Usually offered every fall.

JLS-603 The Rule of Law and Due Process (3) A commitment to rule of law and due process of law is a defining feature of Western legal tradition, but what do these phrases mean? This course examines common interpretations and applications of these concepts in diverse systems of law. The central features and historical development of legal procedures in the criminal justice, civil justice, and administrative systems are compared. Legal procedure is an essential component of systems of jurisprudence and provides the methods and means for applying substantive law. It also reveals, *inter alia*, a legal system's values, priorities, and applications. Usually offered every fall.

JLS-604 Foundations of Knowledge (3) This methodology course helps students identify what actually counts as knowing something in their study of social phenomena. Social scientists, lawyers, and philosophers must grapple with the question of what counts as a fact that actually describes what they believe they are observing. Making this decision inevitably affects one's understanding of what is being observed. This course examines the foundations of empirical, analytical, critical, and other modes of thought in order to enable them to evaluate the various methods used to study social institutions. Usually offered every spring.

JLS-606 Legal History Seminar (3) The two goals of this course are to provide students with the historical underpinnings of law in the Western world, and to introduce students to the different historical approaches that historians use to understand what counts as historic fact. Usually offered alternate springs.

JLS-607 Concept of Justice (3) Major philosophical contributions to the definition of justice. The relationship of the ideal of justice to concrete situations in which issues of justice (civil, criminal, or political) arise.

JLS-608 The Constitution and Criminal Procedure (3) Constitutional standards and operation of the criminal justice system. Police practices, bail, decision to prosecute, scope of prosecution, grand jury proceedings, preliminary hearings, right to counsel, right to speedy trial, plea bargaining, discovery and disclosure, jury trial, trial by newspaper, double jeopardy, and post-trial proceedings. Usually offered every fall.

JLS-609 Criminological Theory (3) Examines criminological theory including early religious and spiritual notions of crime, and classical, rational choice, and deterrence theories. The development of positivism from both a biosocial and psychological perspective, the range of sociological theories and the empirical research related to these theories. Usually offered every spring.

JLS-610 Justice and Public Policy: Controversial Issues (3) The American justice systems and the theories underlying them. Focus is on the criminal justice process and issues related to each step and institution in it. Includes varieties of law and justice, issues dealing with the police, courts, and corrections. Usually offered every fall.

420 Course Descriptions

JLS-615 Law and Human Rights (3) Legal, moral, and historical examination of international human rights. Friction among the values of national sovereignty, individual rights, self-determination, and the toleration of minorities is considered, as well as legal and extra-legal methods for humanitarian intervention, from World Court indictments to military invasion. Usually offered every third semester.

JLS-621 Justice in the Face of Terror (3) Throughout history, society has grappled with the critical issues of constructing and maintaining a just society in the face of terror. This course studies issues of justice and responses to terror from the perspectives of history, ethics, literature, politics, and law, and works to evaluate the justice of societal responses. Usually offered every summer. Meets with JLS-421.

JLS-630 Advanced Seminar in Legal Theory (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in law and social theory, including freedom of speech and religion; liberty and private property; feminist legal theory; critical legal studies; and law and economics; among others, are examined.

JLS-631 Advanced Seminar in Social and Political Theory (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in concepts of sovereignty; power, equality, and welfare; legitimacy, obligation and democratic theory; among others, are examined.

JLS-638 Race and Justice in America (3) An examination of race and justice in America, with a focus on the historical and contemporary experiences of African Americans. Includes slavery, plantation prisons, legal and illegal executions, medical experimentation, segregation, poverty, ghettos, and contemporary prisons. Usually offered every fall.

JLS-643 Advanced Seminar in Policing (3) Topics vary by section, may be repeated for credit with different topic. An examination of major U.S. police and law enforcement systems and issues. The focus of the course may be either the role of police in society, police-community relations, and special problems in policing, or management and policy issues such as police organization, federalism, police effectiveness, police discretion and use of force, and police accountability.

JLS-648 Law and Religion (3) Examines the intersection of religion with American law, politics, and society. The course focuses on the role of religion in the constitutions, statutes, and policies of federal and state governments, including U.S. Supreme Court decisions defining church-state law. Also examines the experiences and contributions of minority religious sects and politico-religious movements in American life.

JLS-650 Constitutionalism in Historical Perspective (3) This course examines the development of law and its justification as the source of authority in the modern state. Students examine how the law itself and different conceptions of it have been used to control and legitimize law governed behavior. Usually offered alternate springs.

JLS-672 Terrorism, Crime, and Public Policy (3) This course examines the problem of terrorism and its causes, to provide a basis for preventing it. It includes distinctions among types of terrorism, crime and aggression, their causes, and implications for prevention; Huntington's clash of civilization model; cross-cultural dialog and exchange; the management of fear; the applicability of crime prevention strategies to the problem of terrorism; the role of religion, the reshaping of military and intelligence strategies; use of technology for detection and prevention; and the management of errors in balancing security and rights. Usually every spring.

JLS-676 Theories of Punishment (3) Examination of the philosophical issues associated with criminal punishment, particularly theories of the moral justification for punishment. The course considers retributive, deterrent, incapacitation, and moral reform theories, the role of victim and community anger in the imposition of punishment, as well as alternatives such as restorative justice. Usually offered every spring.

JLS-680 Introduction to Justice Research I (3) The logic of scientific inquiry and the nature and process of social research as applied to justice. Theory, concepts, practices, and the demonstration of their reliability and validity. Attention is also given to methods of sampling design and techniques of data collection. Usually offered every fall.

JLS-681 Introduction to Justice Research II (3) Methods of data analysis applicable to research in the justice field. Building on the concepts presented in JLS-680, the course examines the link between research design and empirical analysis, the role of probability in hypothesis testing, and the concept and techniques of descriptive and inferential statistics. Usually offered every spring. *Prerequisite:* JLS-680.

JLS-686 Advanced Seminar in Corrections (3) Topics vary by section, may be repeated for credit with different topic. Examination of the origin, nature, and operation of various correctional institutions and practices. The focus of the course varies by semester; topics include institutional corrections, community corrections, intermediate sanctions, legal aspects of corrections, the death penalty, and philosophical theories of punishment.

JLS-690 Independent Study Project in Justice (1-6) *Prerequisite:* permission of instructor and department chair.

JLS-691 Internship in a Justice Setting (1-6) Provides students with experience in administering justice in operational or research settings through assignment to legislative, regulatory, planning, police, judicial, or correctional agencies under joint agency/school supervision that includes faculty evaluation of ongoing written reports. *Prerequisite:* permission of instructor and department chair.

JLS-710 Proseminar in Justice (3) An overview of criminal justice and criminology that focuses on the major debates, theories, concepts, and empirical research. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of the instructor.

JLS-720 Proseminar in Law and Society (3) An overview of the field of law and society, providing the perspectives of several disciplines on the law. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of the instructor.

JLS-790 Doctoral Independent Study in Justice, Law and Society (1-6) *Prerequisite:* permission of instructor and department chair.

JLS-797 Master's Thesis Research (3-6) May be taken SP/UP only. *Prerequisite:* permission of department.

JLS-799 Doctoral Dissertation Seminar (1-12) *Prerequisite:* permission of department.

JLS-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

JLS-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Jewish Studies

Note: For additional Jewish Studies courses see also History (HIST-xxx), Literature (LIT-xxx), International Service (SIS-xxx), Philosophy (PHIL-xxx), and Religion (RELG-xxx).

Undergraduate Courses

JWST-205 Ancient and Medieval Jewish Civilization FA2 (3) Examines the independent Jewish states that flourished in Palestine, the rise of the most important Jewish communities outside the ancient Jewish homeland, and the foreign influences that shaped not only the political life of the Jews but also their internal organization and their creativity. Usually offered every fall.

JWST-210 Voices of Modern Jewish Literature FA2 (3) Explores a variety of literary works analyzing the historical experience of modern Jewish communities in Europe, as well as the United States and Israel, emphasizing how migration, racism, industrialization, and political change affected these Jews and their Judaism. Usually offered every spring.

JWST-320 Topics in Jewish Culture (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics on historical and contemporary aspects of the Jewish heritage, such as Judaism and Hellenism; Judaism and Islam; art, dance, and drama as expressions of the Jewish spirit; and Jewish education, content, and method.

JWST-390 Independent Reading Course in Jewish Studies (1-6) *Prerequisite:* permission of instructor and director.

JWST-481 Senior Thesis in Jewish Studies I (3) Jewish studies majors prepare a thesis on a topic selected after consultation with the student's advisor. Usually offered every fall.

JWST-482 Senior Thesis in Jewish Studies II (3) Completion of senior thesis on a topic selected after consultation with the student's advisor. Usually offered every spring. *Prerequisite:* JWST-481.

JWST-490 Independent Study Project in Jewish Studies (1-6) *Prerequisite:* permission of instructor and director.

JWST-491 Internship in Jewish Studies (1-6) Provides students an opportunity to enrich organizational skills and gain experience in community relations, religious, Israel-centered, or social welfare agencies. *Prerequisite:* permission of instructor and director.

Graduate Courses

JWST-590 Independent Reading Course in Jewish Studies (1-6) *Prerequisite:* permission of instructor and director.

JWST-690 Independent Study Project in Jewish Studies (1-6) *Prerequisite:* permission of instructor and director.

Business

Undergraduate Courses

KSB-100 Business 1.0 (3) Business is an exciting and dynamic environment. This course is the initial step in becoming a student of business. It provides a broad introduction which enables students to gain an appreciation of the complex nature of business and a sense of what is required to operate a successful business. In this course students learn what a business is, how it operates, and why. They learn how business impacts society and the effect society has on business. Student gain an understanding of the various entities that influence business, such as the economy, customers, suppliers, the government, and the global community, and discover the inter-related tasks and operations that must occur for a business to be successful. *Prerequisite:* fall enrollment open only to freshmen; spring enrollment open only to freshmen or sophomores.

KSB-191 Field Experience (.25) Students who have a declared or intended business major but are not eligible for upper level internship credit may register for up to two field experiences (one field experience per organization). The field experience must be at least four weeks in length. Students must be registered as a full-time student in the current semester, or for summer, be registered full-time for the fall semester; and complete pre- and post-field experience sessions facilitated by the Kogod Center for Career Development (KCCD). Students on F-1 visas are not eligible for KSB-191 Field Experience until they have completed one full academic year. May be taken Pass/Fail only. *Prerequisite:* completion of at least 3 credits in Kogod, minimum 2.75 cumulative GPA, and permission of the KCCD.

KSB-200 Foundations of Career Development (1) Successful lifelong career management relies on the ability to assess personality, interests, skills, and values and align these with career fields and industries to find the optimum career fit. This course introduces students to the concept of lifelong career management, as well as several potential career fields and how best to explore/research career options. Students learn how to target and research potential employers, explore and decide among different major and career options, understand industry hiring timelines, apply techniques and tools for landing an internship, and how to develop general resumes and related basic career communications. Classes are highly interactive participatory sessions including role plays, breakout sessions, group discussions, and guest speakers. May be taken pass/fail only.

KSB-252 Washington Initiative (1-2) This course provides undergraduate business students with experience through the coordination of an event or service for a nonprofit agency. Through these interactions, students apply a variety of academic business skills while contributing to the local community and learning about nonprofit management. May be repeated for credit. *Prerequisite:* completion of 30 credit hours and permission of instructor.

422 Course Descriptions

KSB-253 Road Scholars (1) May be repeated for credit. The Road Scholars program is an alternative spring break study tour that provides students with a hands-on opportunity to experience business in the real world. Each year, Road Scholars travel to a major city for corporate site visits to some of the nations' best known companies. This course is designed to complement the Road Scholars travel program by providing students with exercises that increase their knowledge and awareness of the careers explored during the trip; apply business learning to real-world situations; and encourage students to explore how their experiences relate to their career aspirations.

KSB-255 Persuasive Business Communications (2) In this course, students develop professional communication skills and strategies to address problems in the business world. By analyzing real-life case studies, students learn how to use writing, public speaking, and presentations as tools to make their case more effectively, which will help them in their classes, internships, and careers. May be taken pass/fail only.

KSB-300 Personal Branding and the Career Campaign (1) This course helps students take a comprehensive approach to charting and managing their careers in both the short and long term. It reviews how to assess personal interests, skills, and values against market/industry trends to identify where there is optimal fit, as well as a competitive advantage. Students learn how to identify target companies/organizations and assess corporate culture to make effective choices. Elements of an outreach campaign including targeted marketing materials, networking strategies, interviewing, negotiating, and accepting job offers while building a lifelong network are emphasized, as is increasing internship/job search productivity. May be taken pass/fail only. *Prerequisite:* KSB-200 or permission of instructor.

KSB-339 Rome Business Program Structured study abroad program in Rome, Italy. Students may take approved business core, specialization, or elective courses. The language of instruction is English.

KSB-349 WHU-Otto Beisheim School of Management Direct enroll study abroad program at Wissenschaftliche Hochschule für Unternehmensführung (WHU)-Otto Beisheim School of Management in Vallendar, Germany. Students may take approved business core, specialization, or elective courses. The language of instruction is English or German.

KSB-350 AU Abroad Business Program (3) Topics vary by section, may be repeated for credit with different topic. Business courses offered through AU Abroad enclave programs to focus on unique aspects of native culture.

KSB-377 International University of Monaco Direct enroll study abroad program at the International University of Monaco in Monte Carlo, Monaco. Students may take approved business core, specialization, or elective courses. The language of instruction is English.

KSB-388 Kuwait University-College of Business Administration Direct enroll study abroad program at Kuwait University College of Business Administration (CBA) in Kuwait City, Kuwait. Students may take approved business core, specialization, or elective courses. The language of instruction is English or Arabic.

KSB-390 Independent Reading in Business (1-3) *Prerequisite:* permission of instructor and department chair.

KSB-391 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

KSB-410 SKEMA Business School Direct enroll study abroad program at SKEMA Business School in Sophia-Antipolis, France. Students may take approved business core, specialization, or elective courses. The language of instruction is English.

KSB-456 Management Communications for Social Responsibility (3) Students apply their oral writing and research skills to address real-world business and professional problems. Course readings and discussions examine the importance of persuasive communications for such soft skills as leadership, teamwork, decision-making, negotiations, and ethics. Practice sessions and personal coaching help students polish their writing and public speaking. Meets with KSB-656.

KSB-490 Independent Research in Business (1-3) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

KSB-071 Career Management I: Foundations and Career Fairs (0) The focus of the course is to prepare students for the MBA internship market, beginning in October with the CareerQuest MBA career fair. Students learn about hiring timelines and develop a baseline resume; personal pitch; and strategy to make CareerQuest and other MBA-level fairs useful. Students are required to attend either CareerQuest or the AU Job and Internship Fair to begin networking with employers. May be taken pass/fail only. *Prerequisite:* enrollment in full-time MBA program.

KSB-072 Career Management II: Personal Branding and Outreach Campaigns (0) This course provides students with the toolkit to execute a successful outreach campaign job now and throughout their careers; as well as take advantage of on-campus interviewing. Students learn about their strengths and determine how to leverage those strengths by developing a personal brand; which is used to target their resumes; cover letters, and interview content. May be taken pass/fail only. *Prerequisite:* KSB-071 and enrollment in full-time MBA program.

KSB-073 Career Management III: Fulltime Search Realignment (0) This course teaches strategies for students to leverage their summer internship/activities in their long-term career development and post-graduate job search. May be taken pass/fail only. *Prerequisite:* KSB-072 and enrollment in full-time MBA program.

KSB-074 Career Management IV: Professionalism Post-MBA (0) This course focuses on maximizing success in the workplace post-graduation and emphasizes the importance of communicating and networking effectively in a new work environment. May be taken pass/fail only. *Prerequisite:* KSB-073 and enrollment in full-time MBA program.

KSB-075 Career Management 1: Career Goals (0) The focus of the course is on self-assessment and reflection as a tool to clarify short- and long-term career goals. This course also covers how students develop a personal professional brand, as well as networking on the job while completing an MBA program, in order to positioning themselves for growth and promotion in their current roles while exploring additional opportunities available with an MBA. May be taken pass/fail only. *Prerequisite:* enrollment in part-time MBA program.

KSB-076 Career Management 2: Outreach Search Campaign (0) This course is designed for students to produce a toolkit of life-long career management skills to ensure success in future job searches and career transitions. It includes conducting an outreach search campaign including identifying market niche and companies; targeting cover letters, resumes, and online profiles; behavioral and case interview content; and salary positioning and negotiation. There is focus on networking and navigating the hidden job market. May be taken pass/fail only. *Prerequisite:* KSB-075 and enrollment in part-time MBA program.

KSB-081 Business Communications 1 (0) Provides tailored instruction leading to improved business writing, public speaking, or team presentations with a focus on second-semester MBA coursework. May be taken pass/fail only. *Prerequisite:* enrollment in MBA program.

KSB-082 Business Communications 2 (0) Provides tailored instruction leading to improved business writing, public speaking, or team presentations with a focus on second-semester MBA coursework. May be taken pass/fail only. *Prerequisite:* KSB-081 and enrollment in MBA program.

KSB-083 Business Communications 3 (0) Provides tailored instruction leading to improved business writing, public speaking, or team presentations with a focus on second-semester MBA coursework. May be taken pass/fail only. *Prerequisite:* KSB-081 and enrollment in MBA program.

KSB-084 Business Communications 4 (0) Provides tailored instruction leading to improved business writing, public speaking, or team presentations with a focus on second-semester MBA coursework. May be taken pass/fail only. *Prerequisite:* KSB-081 and enrollment in MBA program.

KSB-602 Strategic Decision-Making in a Global Environment (3) This team-taught course addresses micro-level strategic decision making in the global environment. Students learn about the internal functions of business organizations, with a focus on the execution business strategy at the firm, product group, and brand level. The course integrates key business disciplines such as strategy, international business, information technology, marketing, finance, ethics, legal issues, and management. *Prerequisite:* KSB-610 and enrollment in MBA program.

KSB-610 Strategic Thinking (1.5) Provides an integrative framework with which to approach other courses in the MBA curriculum by encouraging an understanding of the sources of competitive advantage. It encourages students to think strategically about the skills provided by their functional level courses; and thus about how those functions contribute to corporate success. *Prerequisite:* enrollment in the MBA program and permission of instructor.

KSB-613 Strategic Decision Making (3) This course follows KSB-610's emphasis on integration across functions and businesses within the corporation by expanding students' understanding of strategy and competitive advantage. This capstone course relies heavily on case analyses as well as an industry and company competitive advantage analysis project. *Prerequisite:* FIN-614, IBUS-618, ITEC-616, ITEC-618, KSB-610, MGMT-609, and MKTG-612.

KSB-655 Business Communications (1) Intensive practice in writing; researching; public speaking; and team presentations for the business and professional world. May be taken pass/fail only.

KSB-656 Management Communications for Social Responsibility (3) Students apply their oral writing and research skills to address real-world business and professional problems. Course readings and discussions examine the importance of persuasive communications for such soft skills as leadership, teamwork, decision-making, negotiations, and ethics. Practice sessions and personal coaching help students polish their writing and public speaking. Meets with KSB-456.

KSB-688 Consulting Practicum (3) As a practicum, this experiential learning opportunity enables student teams, under the supervision of a faculty supervisor, to serve as consultants to organizations to create new ideas, prepare project and business plans, and solve problems, all at the strategic level. These teams work closely with client management to define and analyze difficult organizational, new product/business and competitive problems, and make recommendations for action. Students develop a deeper understanding of consulting as well as the interdependence of functional areas. They also improve their teamwork and communication skills. Students and the faculty supervisor meet regularly with the management of the client organization to develop a detailed Statement of Work and provide updates on progress through touch points during the semester. Following completion of necessary research and data analyses, the team submits a written report and makes a presentation of its recommendations to the management of the company. Meets with MGMT-688. Enrollment is limited and selection is on a competitive basis. Applicants must submit a resumé to the instructor for approval to register. *Prerequisite:* minimum 3.3 GPA and permission of instructor.

KSB-749 WHU-European MBA Summer Institute Two-week study abroad course at Wissenschaftliche Hochschule für Unternehmensführung (WHU)-Otto Beisheim School of Management in Vallendar, Germany. The course provides an overview of all aspects of doing business in the European Union. The language of instruction is English.

KSB-750 ESCP-Europe Summer Session Direct enroll study abroad program at ESCP Europe in Paris, France. Students may take approved concentration or elective courses during ESCP Europe's Summer Session. The language of instruction is English or French.

KSB-751 WHU-Otto Beisheim School of Management Direct enroll study abroad program at Wissenschaftliche Hochschule für Unternehmensführung (WHU)-Otto Beisheim School of Management in Vallendar, Germany. Students may take approved concentration or elective courses. The language of instruction is English.

KSB-752 ESCP-Europe Direct enroll study abroad program at Ecole Supérieure de Commerce de Paris (ESCP) Europe in Paris, France. Students may take approved concentration or elective courses. The language of instruction is English or French.

Literature

Undergraduate Courses

LIT-010 College Reading (2) Develops the ability to cope efficiently with the rigors of academic life. Emphasizes practical techniques of reading in different disciplines, speed reading, time management, note taking, exam skills, and research. Usually offered every term. *Note:* No academic credit is received for this course, nor does it fulfill a requirement for any degree program. Credit equivalent is listed for determining full-time status only.

LIT-021 College Writing Skills for High School Students (0) A noncredit workshop for high school students to develop skills for writing at the college level such as generating ideas, being aware of audience and purpose, creating a thesis and argument, researching, organizing, and responding to others' work. Students practice these skills through short writing exercises accompanied by supplemental readings. Usually offered every summer.

LIT-022 Writing College Application Essays (0) In this noncredit workshop high school students experiment with writing personal statements as a form of self-expression. The focus is on college admissions, but students also consider other ways in which writing communicates identity and serves as a vital means of communication. Usually offered every summer.

LIT-025 STEP Pre-College Writing Seminar (0) This course introduces students to skills needed to successfully transition into collegiate academic writing. The course focuses on the importance of thesis-driven writing, and students learn a range of research methods and protocols. Students are also introduced to American University's Academic Integrity Code, as well as the services available at the library and through Blackboard. Usually offered every summer. Open only to students in the Summer Transition Enrichment Program (STEP).

LIT-100 College Writing (3) Develops students' skills in reading with understanding, summarizing and synthesizing information accurately, and writing correct, reasoned prose. Usually offered every term. *Note:* Completion of LIT-100 and LIT-101 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-101 College Writing Seminar (3) Continues the work begun in LIT-100, stressing the student's abilities to construct extended arguments, to synthesize diverse materials, and to pursue library research. Usually offered every term. *Prerequisite:* LIT-100 or equivalent. *Note:* Completion of LIT-100 and LIT-101 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-102 College Writing (3) LIT-102 is a specially designed version of LIT-100. It is aimed at students whose language skills need special attention and has a required one-on-one conference with the course instructor. Usually offered every term. *Note:* Completion of LIT-102 and LIT-103 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-103 College Writing Seminar (3) LIT-103 is a specially designed version of LIT-101. It is aimed at students whose language skills need special attention and has a required one-on-one conference with the course instructor. Usually offered every term. *Prerequisite:* LIT-102 or equivalent. *Note:* Completion of LIT-102 and LIT-103 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-105 The Literary Imagination FA1 (3) Explores the fundamental imaginative processes that underlie and connect the activities of literary creation and literary understanding. Besides reading works by both male and female writers chosen from a variety of times and places to represent each of the major genres, students also do critical and creative writing of their own. Usually offered every term.

LIT-106 College Writing, Intensive (3) Develops students' academic writing and research skills. Builds students' abilities to construct extended arguments and synthesize diverse materials. Emphasizes information literacy, including evaluating source material and making strategies and appropriate use of different sources. Usually offered every term. *Note:* Completion of LIT-106 with a grade of C or better and an Advanced Placement English Language and Composition score of 4 or 5, or a Higher Level International Baccalaureate Examination score of 5 or higher fulfills the university College Writing and Writing Proficiency requirement.

LIT-120 Interpreting Literature FA1 (3) Analysis and interpretation of literary texts: poetry, drama, and prose fiction. The general process through which one comes to a more comprehensive understanding of literary works. Since interpreting entails the ability to communicate understanding, the course also teaches the writing of interpretive criticism. Usually offered every term.

LIT-125 Great Books that Shaped the Western World FA2 (3) This course enriches students' knowledge and appreciation of Western civilization by familiarizing them with some of the most important literary texts in Western literature from Homer through the nineteenth century. In addition to studying these works for their literary artistry, the course addresses the cultural context of these works, the ethical issues they address and the pivotal roles they have played in Western society, and what it means to call a work "a classic." Usually offered every term.

LIT-130 Honors English I (3) Limited to first-year students by invitation. Usually offered every fall. *Note:* Completion of LIT-130 and LIT-131 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-131 Honors English II (3) Limited to first-year students by invitation. Usually offered every spring. *Note:* Completion of LIT-130 and LIT-131 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-132 Honors English, Intensive (3) Develops students' academic writing and research skills. Builds students' abilities to construct extended arguments and synthesize diverse materials. Emphasizes information literacy, including evaluating source material and making strategies and appropriate use of different sources. Usually offered every term. *Note:* Completion of LIT-132 with a grade of C or better and an Advanced Placement English Language and Composition score of 4 or 5, score of 4 or 5, or a Higher Level International Baccalaureate Examination score of 5 or higher fulfills the university College Writing and Writing Proficiency Requirement. Open only to students in the University Honors Program.

LIT-135 Critical Approach to the Cinema FA1 (3) Analysis of film content and style through screenings and substantial readings in aesthetic theory and film history. Also considers social issues, cultural artifacts, and forms of artistic expression. Usually offered every term.

LIT-150 Third World Literature FA3 (3) An introduction to literature written by writers from the Third World: Africa, Asia, and Latin America. The emphasis is on contemporary fiction and the ways that this writing depicts cultural and political change brought about by the impact of outside forces. Usually offered every term.

LIT-160 The Culture of Higher Education in the United States (3) This course explores cultural assumptions underlying academic practices and personal interactions in U.S. university communities, with special attention on how U.S. cultural norms are viewed by observers from other countries. Includes understanding the educational institutional context including the role of academic integrity; examining student-faculty interactions; conducting research; and successful cultural adaptation. Usually offered every term.

LIT-180 Writing Workshop (3) An intensive writing seminar reviewing grammar and the principles of clear, correct expository prose. Usually offered every term. *Prerequisite:* LIT-100 and LIT-101 or equivalent or permission of instructor.

LIT-200 Introduction to Creative Writing (3) With departmental permission, course may be repeated for credit, but not in the same term. Creative writing for beginning students who want to write poetry, fiction, drama, reportage, and autobiography, with specific assignments in each category. Usually offered every term. *Prerequisite:* LIT-100 and LIT-101 or equivalent.

LIT-202 Writing for Prospective Lawyers (3) An advanced course in writing designed to hone the skills necessary to write legal briefs, memoranda, and agreements. Particular attention is paid to logic and argumentation. Usually offered every term. *Prerequisite:* LIT-100 and LIT-101 or equivalent.

LIT-203 Business Writing (3) The course stresses clarity, conciseness, and directness in the preparation of correspondence, memoranda, reports, proposals, and other kinds of writing common in the business world. Usually offered every term. *Prerequisite:* LIT-100 and LIT-101 or equivalent.

LIT-205 Issues, Ideas, and Words (3) Through class discussions and frequent written assignments, the course helps students understand and articulate their learning in relation to thought in the humanities, natural sciences, and social sciences. Usually offered every term. *Prerequisite:* enrollment limited to students in the AEL program. *Note:* Completion of LIT-205 and either LIT-101 or LIT-103 with grades of C or better fulfills the university College Writing and Writing Proficiency Requirement.

LIT-210 Survey of American Literature I (3) A historical study of American writers and their contributions to the diversity of American literary forms and intellectual life, from the Puritan settlement to Dickinson and Whitman. Writers are appraised aesthetically, both individually and in cultural context. Usually offered every fall.

LIT-211 Survey of American Literature II (3) A historical study of American writers and their contributions to the diversity of American literary forms and intellectual life, from post-Civil War to the present. Writers are appraised aesthetically, both individually and in a cultural context. Usually offered every spring.

LIT-215 Writers in Print/in Person FA1 (3) Offers students the opportunity to study works by contemporary authors and then to continue their exploration of these works in meetings with the writers. Features locally and nationally prominent writers, including American University writing faculty. Usually offered every term.

LIT-220 Survey of British Literature I (3) A historical exploration of a range of writers in the British tradition, from Chaucer through the eighteenth century. Writers are examined as individual artists and as representatives of their age. Usually offered every fall.

LIT-221 Survey of British Literature II (3) A historical exploration of a range of writers in the British tradition, from the Romantic period through the twentieth century. Writers are examined as individual artists and as representatives of their age. Usually offered every spring.

LIT-225 The African Writer FA1 (3) Contemporary African literature, with special emphasis on the role of the writer. The course includes many of the major African literary works of the last sixty years—fiction, poetry, and drama—and at the same time focuses on the African writer's unique role as creator of functional art. Usually offered every fall.

LIT-235 African-American Literature FA2 (3) A survey of African-American literature beginning with the poet Phillis Wheatley and the slave narratives of the 1700s and concluding with Malcolm X and Toni Morrison. The emphasis is on the continuity of black writing within its historical and cultural contexts. Usually offered every spring.

LIT-240 Asian American Literature FA2 (3) The recent explosion of Asian American literature—defined as literature by writers of Chinese, Japanese, Korean, Indian, Pakistani, and Filipino descent living in North America—warrants close and historically-informed analysis. This course considers works by Asian American writers in light of orientalism, issues of race, ethnicity, gender, and identity, and historical pressures such as immigration policies and independence movements. Usually offered alternate springs.

LIT-242 Chinese Literature and Society (3) Offered as part of the AU Abroad Beijing program. Born as part of an iconoclast revolt against traditional culture, modern Chinese literature has a dual mission of enlightenment and national salvation. Through reading literary works of major Chinese writers, students examine the ingenuity of modern Chinese literature, gain a view of modern Chinese history, and gain an understanding of the Chinese conception of the evolving relationship between literature, politics, and society.

LIT-245 The Experience of Poetry FA1 (3) Without dwelling on “professional” terminology and technique, the course aims to make poetry more accessible and enjoyable through reading, writing, and discussion. Students are asked to write some poetry along with traditional papers, but the poetry assignments are designed to reassure those who doubt their creativity. Usually offered every term.

LIT-246 Cinema and the Twentieth Century FA1 (3) A historical study of cinema as an art form through the twentieth century, covering major cinematic developments in aesthetic, technological, and cultural terms. Films are examined as both individual texts and within their historical and cultural contexts. Usually offered every spring.

LIT-251 First-Year Seminar (3) Topics vary by section, may be repeated for credit with different topic. For students considering further study of literature. Each seminar focuses in detail and in depth on a single author's works, exploring various critical approaches within a broad historical, cultural, political, and philosophical context. Usually offered every spring. *Prerequisite:* LIT-105, LIT-120, or LIT-135; open only to first year students.

LIT-252 Survey of Literary Theory (3) A survey of theoretical approaches to literature, covering major schools and movements. The course introduces a variety of critical methods, including New Criticism, structuralism, deconstruction, feminism, Marxism, etc. Usually offered alternate falls.

LIT-265 Literature and Society in Victorian England FA2 (3) The connections between literary works and their social context. The course is divided into significant cultural subjects, such as the effect of scientific advancement on society at large, how Victorians perceived themselves at home and at work, and how issues of political reform affected literary works. Readings include historical studies, as well as novels and poems. Usually offered every spring.

LIT-270 Transformations of Shakespeare FA1 (3) Shakespeare's use of dramatic form, such as tragicomedy, masque, and spectacle. In addition, students learn about the interrelationship between form and meaning by seeing how the cultural myths encoded in these genres become transformed in different ages, media, and cultures. Usually offered every term.

LIT-301 Advanced Composition (3) Offers students development in advanced writing skills using contemporary theory and practice in argumentation, style, meta-analysis, process, and critical thinking. Usually offered every term.

LIT-308 Studies in Genre (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics examine expression in a variety of literary genres. Topics include sentimentalism and sensationalism, utopian literature, the gothic, and the epic. Usually offered every year.

LIT-309 Contemporary British Theater (3) Offered as part of the AU Abroad London Semester. This course provides a survey of British theater through seminars, reading plays, and attendance at a variety of performances in and near London. Discussions include the influence of actors and directors, and the contributions of set, costume, and lighting design. Usually offered every term.

LIT-310 Major Authors (3) Topics vary by section, may be repeated for credit with different topic. Intensive study of the works of one or more important authors. Attention is paid to the evolution of the author's canon, to the effects of (and on) the literary context, to the relationship between works and biography, and to the historical and cultural context of the writer. Usually offered every year.

LIT-315 Topics in American Romanticism (3) Topics vary by section, may be repeated for credit with different topic. American Romantic authors of the antebellum period reflected the effects of slavery, constraints on women, and materialism on the nation, and looked for the realization of a new age. Writers studied include Whitman, Melville, Emerson, Thoreau, Dickinson, Stowe, Poe, Sedgewick, Fuller, Douglass, and Jacobs. Usually offered every year.

LIT-316 Nineteenth Century American Novel (3) Emphasis on literary evolution of a form as it expresses historical evolution of national consciousness. Novelists studied include Hawthorne and Melville. Usually offered every year.

LIT-318 Topics in American Realism (3) Topics vary by section, may be repeated for credit with different topic. Post-Civil War literary realism reflected a time of both great wealth and squalor, with striving for self-expression by those who were marginalized, including African Americans, Native Americans, and women. Writers studied include Mark Twain, William Dean Howells, Theodore Dreiser, Henry Adams, Edith Wharton, Kate Chopin, Sarah Orne Jewett, Henry James, Charles Chesnut, Booker T. Washington, and W.E.B. Du Bois. Usually offered every other year.

LIT-321 Topics in American Modernism (3) Topics vary by section, may be repeated for credit with different topic. Modernism expressed a new consciousness of the United States as an urban nation and world power, pioneering advertising, mass culture, and avant-garde art. Authors include Fitzgerald, Hemingway, Faulkner, Eliot, Stevens, HD, Hughes, and Williams. Usually offered every year.

LIT-322 Topics in Contemporary American Literature (3) Topics vary by section, may be repeated for credit with different topic. Topics in American fiction, poetry, drama, and nonfiction of the past forty years. Usually offered every year.

LIT-323 Ethnic Literatures of the United States (3) Topics vary by section, may be repeated for credit with different topic. The old idea of the United States as a melting pot has given way to awareness of the unique and powerful contributions to the literature of the United States by Native Americans, African Americans, Chicano and Latino Americans, and Asian Americans. Topics vary across ethnic groups and genres. Usually offered every other year.

LIT-332 Shakespeare Studies (3) Topics vary by section, may be repeated for credit with different topic. More than any other playwright in the Western tradition, Shakespeare is extolled for creating memorable dramatic characters and riveting plots, along with brilliant language and arresting stage techniques. Rotating topics include early plays, later plays, and Shakespeare on film. Usually offered every term.

LIT-334 Topics in Renaissance Literature (3) Topics vary by section, may be repeated for credit with different topic. Some of the greatest art, poetry, and drama in the Western tradition flourished amidst the religious and political tumult of the Renaissance. Rotating topics include Renaissance drama, Renaissance poetry, and a survey of Renaissance literature (British or European). Usually offered every year.

LIT-337 Topics in Restoration and Enlightenment Literature (3) Topics vary by section, may be repeated for credit with different topic. In seventeenth and eighteenth century Britain new literary forms, such as the novel and the autobiography, responded to the far-reaching changes in philosophy, politics, and religion of the Restoration and Enlightenment. Rotating topics include Milton, Restoration drama, and the rise of the British novel. Usually offered every other year.

LIT-340 Topics in Nineteenth Century British and European Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in British and European literature ranging from nineteenth century melodrama in different national traditions to the Victorian novel, Victorian poetry, French realism, and French Symbolist poetry. Usually offered every year.

LIT-341 Topics in Romantic Literature (3) Topics vary by section, may be repeated for credit with different topic. In the wake of complete social and political upheaval, eighteenth and nineteenth century Romantic writers questioned longstanding assumptions. Rotating topics include the Romantic imagination, the politics of poetry, and the Shelley circle. Usually offered every year.

LIT-343 Topics in British and European Modernism (3) Topics vary by section, may be repeated for credit with different topic. European modernist vision and techniques, such as free verse and stream of consciousness, are some of the innovations owed to Modernism that have profoundly influenced the way we see, hear, and feel. Usually offered every year.

LIT-346 Topics in Film (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include film and literature, national cinema, film genres, major filmmakers, and independent filmmakers. Usually offered every year.

LIT-347 Spain and Latin America through Literature and Film (3) Through a survey of several different forms, contemporary Spanish and Latin American reality is presented in this course offered as part of the AU Abroad program in Madrid. It includes critical approaches to narrative textual discourses dealing with social structure and identity, and explores the relation between literature and film, showing Latin American countries as complex cultural arrangements in continuous redefinition.

LIT-350 Literature of Central Europe in the Twentieth Century (3) Introduces students to the literary interrelations among the various national and ethnic groups of Central Europe including Bohemia, Austria, Germany, and Hungary, and their dependence on Russian and Scandinavian authors. Writers studied include Dostoyevsky, Kafka, Koestler, Kraus, Meyerink, Schnitzler, Werfel, and Zweig. Offered only in Prague. Usually offered every fall.

LIT-360 Topics in Medieval Literature (3) Topics vary by section, may be repeated for credit with different topic. The literature of the Middle Ages reflects a radically different world view in writings that capture human beings at their best and worst moments. Rotating topics include Chaucer, Dante, and a survey of medieval literature. Usually offered every year.

LIT-365 Mediterranean Literature (3) Offered as part of the AU Abroad Madrid and the Mediterranean program. This course offers a review of the major Mediterranean world literary accomplishments of antiquity, the Renaissance, and the baroque, as well as contemporary Arab literature. Students become familiar with intrinsically Mediterranean topics such as epic travel, exile, and cross-fertilization among cultures, the works of Homer, Dante, and Cervantes and their trail of influence in modern literature and culture, as well as reading the works of major authors of Lebanon, Egypt, Palestine, and Morocco. Usually offered every fall.

LIT-367 Topics in World Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in a wide range of literature from around the world. Usually offered every year.

LIT-370 Topics in Women's and Gender Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics dealing with influence of gender on literature, including women and literature and nineteenth-century American women's literature. Usually offered every year.

LIT-379 Mediterranean Cross-Cultural Cinema (3) Offered as part of the AU Abroad Madrid and the Mediterranean program. Featuring a series of films, mostly produced in Mediterranean countries, which are a rich source for the study of inter cultural relations, this course studies the cinematic medium, not only as a data source, but as a language in itself. Different film traditions are analyzed in order to discover the type of stylistic conventions that vary from culture to culture, as well as cinema's potential for inter cultural communication. Usually offered every fall.

LIT-381 Interdisciplinary Approaches to Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including literature and sexuality, literature and the city, psychological approaches to literature, the culture of AIDS, the Holocaust, and literature and politics. Usually offered every year.

LIT-390 Independent Reading Course in Literature (1-6) *Prerequisite:* permission of instructor and department chair.

LIT-400 Creative Writing: Fiction (3) May be repeated for credit once with permission of instructor. A writing workshop with students reading their work aloud and commenting on one another's efforts. The instructor reserves the right to have the last word. Usually offered every term. *Prerequisite:* LIT-200 or equivalent, or permission of instructor.

LIT-401 Creative Writing: Poetry (3) May be repeated for credit once with permission of instructor. An intensive approach to the techniques of writing verse, followed by several weeks of workshop sessions in which students' poems receive responses from the entire class. Usually offered every term. *Prerequisite:* LIT-200 or equivalent, or permission of instructor.

LIT-402 Creative Writing: Film Script (3) May be repeated for credit once with permission of instructor. An introduction to writing developing stories for the screen. A study of the special contributions of the writer to film art. Screenings, reading, writing, and rewriting. Meets with LIT-702. Usually offered every term. *Prerequisite:* permission of instructor.

LIT-403 Creative Writing: Nonfiction (3) May be repeated for credit once with permission of instructor. An intensive workshop in which students share their memoirs and personal essays, developing techniques in point of view, dialogue, and creating scenes. Usually offered every spring. *Prerequisite:* LIT-200.

LIT-405 Seminar on Translation (3) Designed primarily for writers, this course introduces students to the international community of writers by providing approaches to and models for the translation of literary works as well as experience in translating. It is expected that students will learn about the use of their own language in the process. Fluency in another language is helpful but not required. Meets with LIT-705. Usually offered every spring.

LIT-422 Advanced Studies in Contemporary Literature (3) Topics vary by section, may be repeated for credit with different topic. Advanced topics in fiction, poetry, drama, and nonfiction of all national traditions of the past forty years, with emphasis on research. Meets with LIT-622. Usually offered every year.

LIT-434 Advanced Studies in Medieval and Early Modern Literature (3) Topics vary by section, may be repeated for credit with different topic. Some of the greatest art, poetry, and drama in the Western tradition flourished amidst the religious and political tumult of the Medieval and Early Modern eras. Rotating topics include medieval romance, Arthurian literature, Chaucer, Shakespeare, Renaissance drama, and Renaissance poetry, with emphasis on research. Meets with LIT-634. Usually offered every year.

LIT-437 Advanced Studies in Restoration and Eighteenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. In seventeenth and eighteenth century Britain new literary forms, such as the novel and the autobiography, responded to the far-reaching changes in philosophy, politics, and religion of the Restoration and Enlightenment. Rotating topics include Milton, Restoration drama, and the rise of the British novel, with emphasis on research. Meets with LIT-637. Usually offered every year.

LIT-440 Advanced Studies in Nineteenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in British and European literature ranging from nineteenth century melodrama in different national traditions to the Victorian or Romantic novel, Victorian or Romantic poetry, French realism, French Symbolist poetry, the Romantic imagination, the politics of poetry, and the Shelley circle, with emphasis on research. Meets with LIT-640. Usually offered every year.

LIT-443 Advanced Studies in Twentieth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include modernist fiction and poetry, the Harlem Renaissance, postmodernism, counterculture, experimental poetry, with emphasis on research. Meets with LIT-643.

LIT-446 Advanced Studies in Film (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include film and literature, national cinema, film genres, major filmmakers, and independent filmmakers, with emphasis on research. Meets with LIT-646. Usually offered every year.

LIT-467 Advanced Studies in World Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in a wide range of literature from around the world, with emphasis on research. Meets with LIT-667. Usually offered every year.

LIT-480 Senior Project in Literature (3) This course is the second in the capstone sequence for literature majors. Students tap into their own intellectual curiosity and develop their research, analytical, and writing skills, culminating in a 25 page paper. Class meetings provide support and structure for work on the project and include faculty guest speakers and student presentations. Usually offered every spring. *Prerequisite:* LIT-498.

LIT-481 Advanced Interdisciplinary Approaches to Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including literature and sexuality, psychological approaches to literature, literature and politics, and other approaches to literature through the lens of other disciplines, with emphasis on research. Meets with LIT-681. Usually offered every year.

LIT-490 Independent Study Project in Literature (1-6) *Prerequisite:* permission of instructor and department chair.

LIT-491 Practical Internship in Literature (1-6) Practical work in writing and research for various agencies and publications, and apprentice teaching experience with private schools and diverse groups, including the Writing Center. *Prerequisite:* permission of advisor and department chair.

LIT-498 Senior Seminar in Literature: The Value of Literature (3) This course is the first in the capstone sequence for literature majors. It addresses the following questions: Is literature separable from other forms of linguistic expression? Are there modes of interpretation and study unique to literature? Why has the assertion of literary value found expression in specifying a canon of particular works? Since art and literature are traditionally defined in terms of secondariness, either as reflection, mimesis, or as refinement, the course also addresses the issue of secondariness and marginalization in both literature and literary criticism. Usually offered every fall.

LIT-499 Honors, Senior Year (3)

Graduate and Advanced Undergraduate Course

LIT-520 Theories and Methodologies (3) This course introduces students to the theories necessary for the study of literature at the graduate level. It provides wide coverage of theoretical and critical issues in the field, as well as diverse modes of pedagogy. Students learn to think self-consciously of their own theoretical and critical methodologies, and to participate in scholarly debates in the field. Usually offered every fall. *Prerequisite:* admission to MA in Literature or permission of instructor.

LIT-521 Reading in Genre: Poetry (3) Overview of poetry from all significant literary periods; special attention paid to the history and forms of the genre. Usually offered alternate falls. *Prerequisite:* admission to MA in Literature or permission of instructor.

LIT-522 Reading in Genre: Drama (3) Overview of drama from all significant literary periods; special attention paid to the history and forms of the genre. Usually offered alternate springs. *Prerequisite:* admission to MA in Literature or permission of instructor.

LIT-523 Reading in Genre: Novel (3) Overview of the novel from all significant literary periods; special attention paid to the history and forms of the genre. Usually offered alternate falls. *Prerequisite:* admission to MA in Literature or permission of instructor.

LIT-524 Reading in Genre: Cinema (3) Overview of cinematic texts from all significant literary periods; special attention paid to the history and forms of the genre. Usually offered alternate springs. *Prerequisite:* admission to MA in Literature or permission of instructor.

LIT-590 Independent Reading Course in Literature (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

Note: When 400-level and 600-level courses meet together, registration at the 600-level requires graduate-level assignments and higher expectations regarding performance.

LIT-608 Studies in Genre (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics examine expression in a variety of literary genres. Topics include sentimentalism and sensationalism, utopian literature, the gothic, and the epic. Usually offered every year.

LIT-622 Advanced Studies in Contemporary Literature (3) Topics vary by section, may be repeated for credit with different topic. Advanced topics in fiction, poetry, drama, and nonfiction of all national traditions of the past forty years, with emphasis on research. Meets with LIT-422. Usually offered every year.

LIT-634 Advanced Studies in Medieval and Early Modern Literature (3) Topics vary by section, may be repeated for credit with different topic. Some of the greatest art, poetry, and drama in the Western tradition flourished amidst the religious and political tumult of the Medieval and Early Modern eras. Rotating topics include medieval romance, Arthurian literature, Chaucer, Shakespeare, Renaissance drama, and Renaissance poetry, with emphasis on research. Meets with LIT-434. Usually offered every year.

LIT-637 Advanced Studies in Restoration and Eighteenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. In seventeenth and eighteenth century Britain new literary forms, such as the novel and the autobiography, responded to the far-reaching changes in philosophy, politics, and religion of the Restoration and Enlightenment. Rotating topics include Milton, Restoration drama, and the rise of the British novel, with emphasis on research. Meets with LIT-437. Usually offered every year.

LIT-640 Advanced Studies in Nineteenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in British and European literature ranging from nineteenth century melodrama in different national traditions to the Victorian or Romantic novel, Victorian or Romantic poetry, French realism, and French Symbolist poetry, the Romantic imagination, the politics of poetry, and the Shelley circle, with emphasis on research. Meets with LIT-440. Usually offered every year.

LIT-643 Advanced Studies in Twentieth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include modernist fiction and poetry, the Harlem Renaissance, postmodernism, counterculture, experimental poetry, with emphasis on research. Meets with LIT-443.

LIT-646 Advanced Studies in Film (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include film and literature, national cinema, film genres, major filmmakers, and independent filmmakers, with emphasis on research. Meets with LIT-446. Usually offered every year.

LIT-667 Advanced Studies in World Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics in a wide range of literature from around the world, with emphasis on research. Meets with LIT-467. Usually offered every year.

LIT-681 Advanced Interdisciplinary Approaches to Literature (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including literature and sexuality, psychological approaches to literature, literature and politics, and other approaches to literature through the lens of other disciplines, with emphasis on research. Meets with LIT-481. Usually offered every year.

LIT-690 Independent Study Project in Literature (1-6) *Prerequisite:* permission of instructor and department chair.

LIT-691 Graduate Internship (1-6) Practical experience making use of students' writing and organizational skills. Required for MFA candidates. *Prerequisite:* graduate standing in the department, and permission of instructor and department chair.

LIT-700 Advanced Fiction Workshop (3) May be repeated for credit, but not in the same term. A writing workshop with students reading their work aloud and commenting on one another's efforts. The instructor reserves the right to have the last word. Graduate students are expected to submit 12,500 words or more. Usually offered every term. May be taken pass/fail only. *Prerequisite:* admission to MFA in Creative Writing.

LIT-701 Advanced Poetry Workshop (3) May be repeated for credit, but not in the same term. An intensive approach to the techniques of writing verse, followed by several weeks of workshop sessions in which students' poems receive responses from the entire class. Usually offered every term. May be taken pass/fail only. *Prerequisite:* admission to MFA in Creative Writing.

LIT-702 Creative Writing: Film Script (3) May be repeated for credit, but not in the same term. An introduction to writing developing stories for the screen. A study of the special contributions of the writer to film art. Screenings, reading, writing, and rewriting. Meets with LIT-402. Usually offered every term.

LIT-703 Creative Storytelling Workshop (3) Intensive workshop in storytelling and public performance. Includes creative improvisation; research, selecting, adapting, and performing traditional folktales; developing and performing personal and family stories; working with voice, sound effects, movement, gesture, and expression; editing stories for public performance; and coaching fellow tellers. Usually offered alternate springs and summers. May be taken pass/fail only.

LIT-704 Advanced Creative Nonfiction Workshop (3) Topics vary by section, may be repeated for credit with different topic. Intensive critical workshop in writing memoirs and personal essays, emphasizing the development of the first-person voice. Usually offered alternate springs. May be taken pass/fail only. *Prerequisite:* admission to MFA in Creative Writing program or permission of instructor.

LIT-705 Seminar on Translation (3) Designed primarily for writers, this course introduces students to the international community of writers by providing approaches to and models for the translation of literary works as well as experience in translating. It is expected that students will learn about the use of their own language in the process. Fluency in another language is helpful but not required. Meets with LIT-405. Usually offered every spring. *Prerequisite:* admission to MFA in Creative Writing program or permission of instructor.

LIT-710 The Art of Literary Journalism (3) A workshop in which the craft of reviewing books, plays, movies, TV, art, and music is practiced. Clear expository writing is the aim, tied to established criteria for sound critical approaches in journalism. Usually offered every fall. *Prerequisite:* permission of instructor.

LIT-730 Teaching Composition (3) An introduction to the field of composition studies as well as the theory and practices of teaching academic writing. Students wrestle with fundamental questions about writing and the personal, social, and cultural dimensions of literacy; explore the nature of written discourse, the composing process, and learning; and discuss issues and examine current approaches in teaching for contemporary composition classrooms. Usually offered every fall.

LIT-731 Teaching of Writing Practicum (3) An internship with a College Writing Program instructor and ongoing study in composition studies to prepare for teaching academic writing. Usually offered every spring. *Prerequisite:* LIT-730 or permission of instructor.

LIT-732 Seminar in Literary Theory (3) Topics vary by section, may be repeated for credit with different topic. Provides a methodological basis for theoretical approaches to literary studies and focuses on critical issues in the study of literature. Topics include the

history of aesthetics, contemporary literary theory, and feminist theory. Usually offered every fall.

LIT-733 Special Topics in Literature (3) Topics vary by section, may be repeated for credit with different topic. Focuses on thematic and theoretical approaches to literature that traverse historical periods and national boundaries. Offered irregularly.

LIT-735 Seminar in Renaissance and Seventeenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Varies in content to cover English, European, or American colonial literature. Usually offered alternate falls.

LIT-736 Seminar in Eighteenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Varies in content to cover English, European, or American literature. Usually offered alternate springs.

LIT-737 Seminar in Nineteenth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Varies in content to cover English, American, or world literature. Usually offered alternate falls.

LIT-738 Seminar in Twentieth Century Literature (3) Topics vary by section, may be repeated for credit with different topic. Varies in content to cover English, American, or world literature. Usually offered alternate springs.

LIT-750 Folger Seminar in Renaissance and Eighteenth Century Studies (3) An exploration of Renaissance and eighteenth century themes offered through the Folger Institute. Students draw on materials available in the Folger Library collections for their research. Usually offered every term. Students must apply directly to the Folger Institute to be admitted to the seminar; consult the department for more information. *Prerequisite:* permission of department.

LIT-793 Directed Research in Literature (3) Students work closely with a faculty member on a scholarly article (20-35 pages) developed from a paper originally submitted for a graduate literature course, with the potential for publication in a scholarly journal. Students enhance their skills in conducting research and/or situating an idea within current scholarly dialogue in the field. Usually offered every term.

LIT-797 Master's Thesis Seminar (1-6) May be taken SP/UP only.

Mathematics

Undergraduate Courses

Note: Students should consult the department for advice and placement testing for appropriate mathematics and statistics courses.

MATH-022 Basic Algebra (2) An introduction to algebra. Includes a review of integer and rational numbers; solving linear equations in one or two variables; word problems; polynomials and rational expressions; radicals; the quadratic formula; and some graphing techniques. Usually offered every term. *Note:* Intended for students with inadequate preparation for other courses in mathematics. No academic credit is received for this course, nor does it fulfill the mathematics requirement for any degree program. Credit equivalent is listed only for the purpose of determining full-time student status.

MATH-150 Finite Mathematics (3) Review of algebra, sets, linear equations and inequalities, nonlinear inequalities, interest problems, systems of linear equations, functions and graphs, and elementary data analysis. Usually offered every term. *Prerequisite:* three years of high school mathematics or equivalent. *Note:* For students who need extra work on mathematical skills. No credit toward mathematics major. Students may not receive credit for more than one course numbered MATH-15x.

MATH-151 Finite Mathematics (3) Review of algebra, sets, linear equations and inequalities, nonlinear inequalities, interest problems, systems of linear equations, functions and graphs, and elementary data analysis. Usually offered every term. *Prerequisite:* three years of high school mathematics or equivalent. *Note:* No credit toward mathematics major. Students may not receive credit for more than one course numbered MATH-15x.

MATH-154 Great Ideas in Mathematics (4) This course explores a sample of beautiful branches of modern mathematics, concentrating on conceptual underpinnings rather than technical aspects. Includes study of infinity, number theory, fractals, and modern geometry, among other mathematical ideas. The course focuses on verbal and written communication skills and problem solving. *Prerequisite:* three years of high school mathematics or equivalent. *Note:* No credit toward mathematics major. Students may not receive credit for more than one course numbered MATH-15x.

MATH-155 Elementary Mathematical Models (3) Study of mathematical subjects including linear, quadratic, polynomial, rational, exponential, and logarithmic functions, in the context of difference equations models. Emphasizes concepts and applications using numerical, graphical, and theoretical methods. Also includes an introduction to the mathematical subject of chaos. Usually offered every term. *Prerequisite:* three years of high school mathematics or equivalent. *Note:* No credit toward mathematics major. Students may not receive credit for more than one course numbered MATH-15x.

MATH-160 Applied Precalculus (3) Fundamentals of algebraic, exponential, and logarithmic functions with emphasis on applications to problems in business and economics and the natural sciences. Usually offered every term. *Prerequisite:* three years of high school mathematics or equivalent. *Note:* Intended primarily for students planning to take MATH-211 Applied Calculus I. No credit toward mathematics major. Students may not receive credit toward a degree for both MATH-160 and MATH-170.

MATH-170 Precalculus Mathematics (3) Fundamentals of algebraic, logarithmic, exponential, and trigonometric functions. Usually offered every term. *Prerequisite:* three years of high school mathematics, or MATH-15x, or permission of department. *Note:* Intended primarily for students planning to take MATH-221 Calculus I. Students may not receive credit toward a degree for both MATH-160 and MATH-170.

MATH-211 Applied Calculus I (4) Functions, differentiation, and integration. Applications to several areas, especially business. Usually offered every term. *Prerequisite:* MATH-160 or MATH-170, or four years of high school mathematics. *Note:* Credit toward a major in the Department of Mathematics and Statistics requires departmental approval. Students may not receive credit toward a degree for both MATH-211 and MATH-221.

MATH-221 Calculus I (4) Real numbers; coordinate systems; functions; limits and continuity; differentiation and applications; trigonometric functions; indefinite and definite integration and applications; fundamental theorem of integral calculus. Usually offered every term. *Prerequisite:* MATH-170 or four years of high school mathematics. *Note:* Students may not receive credit toward a degree for both MATH-221 and MATH-211.

MATH-222 Calculus II (4) Techniques of integration, calculus of exponential and logarithmic functions, infinite series, power series representations, and analytic geometry. Usually offered every term. *Prerequisite:* MATH-211 or MATH-221, or permission of department.

MATH-310 Linear Algebra (3) Vector spaces, systems of linear equations, solutions by matrices, determinants, linear transformations, and algebraic forms. Usually offered every term. *Prerequisite:* MATH-222 (may be taken concurrently).

MATH-313 Calculus III (4) Vectors, functions of several variables, partial differentiation, and multiple integrals. Usually offered every term. *Prerequisite:* MATH-222.

MATH-321 Differential Equations (3) First order equations, linear equations of higher order, solutions in series, Laplace transforms, numerical methods, and applications to mechanics, electrical circuits, and biology. Usually offered every fall. *Prerequisite:* MATH-313 and MATH-310, both of which may be taken concurrently.

MATH-345 Introduction to Game Theory (3) This course explores applications such as auctions, firm competition, and voting with mathematical analysis. It includes Nash equilibrium, subgame perfect equilibrium, evolutionary stability, repeated games, signaling, mechanism design, uncertainty, and behavioral game theory. Meets with ECON-345. Usually offered every fall. *Prerequisite:* ECON-200, and MATH-211 or MATH-221. *Note:* This course does not fulfill the University Mathematics Requirement.

MATH-360 Tools of Scientific Computing (3) Designed to teach scientific rigor in the use of computers and/or computational tools. Techniques from mathematics are introduced which lead to efficient algorithm design, algorithm analysis, data classification, data manipulation, and scientific computation. Includes data types, induction, recursion, sorting, searching, summation, optimization, asymptotic analysis, basic number theory, discrete probability, and parallel computing. Meets with CSC-360. Usually offered every fall. *Prerequisite:* CSC-280, CSC-281, MATH-221, and MATH-222.

MATH-390 Independent Reading Course in Mathematics (1-6) *Prerequisite:* permission of instructor and department chair.

MATH-490 Independent Study Project in Mathematics (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

MATH-501 Probability (3) Algebra of sets; probability in discrete sample spaces; combinatorial analysis; random variables; binomial, Poisson, normal, and other distributions; and applications. Usually offered every fall. *Prerequisite:* MATH-313 (may be taken concurrently) or permission of instructor.

MATH-503 Foundations of Mathematics (3) An introduction to the proof-based methodology of advanced mathematics courses, with emphasis on the fundamentals of logic and set theory (truth-tables and quantifiers, Boolean operations, functions, relations, and cardinality); elementary number theory (mathematical induction and modular arithmetic), and structural properties of the fields of real and complex numbers. Usually offered every term. *Prerequisite:* MATH-222.

MATH-504 Advanced Calculus of Several Variables (3) Vector-functions of several variables, limits and continuity, differentials and tangent plane, implicit and inverse functions, line and surface integrals, gradient, divergent, curl, Stoke's and Green's theorems. Usually offered alternate springs (odd years). *Prerequisite:* MATH-310 and MATH-313 and MATH-503, or permission of instructor.

MATH-505 Mathematical Logic (3) The mathematical study of the scope and limits of deductive reasoning with special attention to propositional and first order logic, leading to results concerning completeness, compactness, and the existence of decision procedures for various logical systems, culminating in the incompleteness theorems of Godel. Usually offered alternate falls (even years). *Prerequisite:* MATH-503 or permission of instructor.

MATH-510 Geometry (3) Euclidean and non-Euclidean (spherical, elliptic, and hyperbolic) geometries from axiomatic and analytic points of view. Includes isometrics, transformation groups, symmetry groups, quadratic forms, projective geometry, as well as some historical background. Usually offered alternate falls (even years). *Prerequisite:* MATH-310 or equivalent.

MATH-512 Introduction to Modern Algebra (3) Groups, rings, vector spaces and modules, fields, and Galois theory. Usually offered every fall. *Prerequisite:* MATH-503 or permission of instructor.

MATH-513 Rings and Fields (3) An advanced study of rings and fields with a focus on polynomials and their roots. Includes ring theory, factorization, polynomials, field theory, ruler and compass constructions, Galois theory, and solvability of polynomials. Usually offered alternate springs (odd years). *Prerequisite:* MATH-512.

MATH-515 Number Theory (3) Divisibility, fundamental theorem of arithmetic, congruences, arithmetic functions, Diophantine equations, quadratic residues, sums of squares, and partitions. Usually offered alternate falls. *Prerequisite:* MATH-503 or permission of instructor.

MATH-520 Introduction to Analysis (3) This course develops the foundations of mathematical analysis by focusing on the real numbers as a complete ordered field, infinite sequences and series, limits and continuity, and key theorems of the differential and integral calculus. Usually offered every fall. *Prerequisite:* MATH-503 or permission of instructor.

MATH-521 Measure Theory and Integration (3) This course presents the fundamental concepts and techniques of measure theory. It includes Borel sets, measures, measurable sets and functions, integrals as measures, L_p spaces, modes of convergence, and decomposition and generation of measures (including product measure). Usually offered alternate springs (even years). *Prerequisite:* MATH-503 and MATH-520, or permission of instructor.

MATH-540 Topology (3) Topological spaces, continuity, compactness, connectedness, and metric spaces. Usually offered alternate falls (odd years). *Prerequisite:* MATH-503 or permission of instructor.

MATH-550 Complex Analysis (3) Complex functions, Cauchy's theorem and integral formulae, Taylor and Laurent series, residue calculus and contour integration, and conformal mapping. Usually offered every spring. *Prerequisite:* MATH-313 and MATH-503, or permission of instructor.

MATH-551 Partial Differential Equations (3) Fourier series, orthonormal systems, wave equation, vibrating strings and membranes, heat equation, Laplace's equation, harmonic and Green functions. Usually offered alternate springs (odd years). *Prerequisite:* MATH-321.

MATH-560 Numerical Analysis: Basic Problems (3) Computer arithmetic and error analysis in computation, matrix decomposition methods in solving systems of linear equations and linear least squares problems, polynomial approximation and polynomial data fitting, iterative algorithms for solving nonlinear equations, and numerical differentiation and integration. Usually offered alternate falls (even years). *Prerequisite:* CSC-280, MATH-222, and MATH-310, or permission of instructor.

MATH-570 History of Mathematics (3) This course surveys aspects of historical development of mathematics from ancient to modern times and examines the ideological, social, and cultural forces which shaped this development. By providing historical continuity, the course interrelates and unifies the major subject areas such as algebra, calculus and analysis, geometry, number theory, probability, set theory, and the foundation of mathematics. Usually offered alternate springs. *Prerequisite:* MATH-222.

MATH-580 Topics in Mathematics (3) Topics vary by section, may be repeated for credit with different topic. Topics include foundations/set theory/logic, matrix theory, algebraic topology, measure and integration, functional analysis, ring theory, modern geometry, and advanced modern linear algebra. Usually offered every spring.

MATH-585 Mathematics Education (3) Curriculum construction and program design, instructional effectiveness, and methods and technology for teaching mathematics. Different approaches for students with a variety of mathematical and cultural backgrounds. Required of all students in mathematics education. Usually offered every fall. *Prerequisite:* MATH-313.

MATH-590 Independent Reading Course in Mathematics (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

MATH-601 Harmonic Analysis (3) Harmonic analysis on the circle, the real line, and on groups. The main concepts are: periodic functions, Fourier series, Fourier transform and spherical harmonics. The course includes a brief account of the necessary ingredients from the theory of the Lebesgue integral. Usually offered alternate springs (even years). *Prerequisite:* MATH-310, MATH-313, and MATH-503, or permission of instructor.

MATH-680 Advanced Topics in Mathematics (3) Topics vary by section, may be repeated for credit with different topic. Intensive courses in a specialized area of mathematics.

MATH-685 Practicum in Mathematics Education (3) May be repeated for credit. Seminar course in researching, implementing, and writing in publishable form an innovative teaching methodology, educational contribution, or internship in cooperating school system, college, or other organization involving teaching. Required of all students in the PhD program in mathematics education. Usually offered alternate springs.

MATH-690 Independent Study Project in Mathematics (1-6)
Prerequisite: permission of instructor and department chair.

MATH-790 Research Seminar in Mathematics Education (3) In-depth exploration of current issues in mathematics education. A research paper and presentation are required. Course required of all students in the PhD program in mathematics education. May be repeated for credit, but not within the same term; topic must be different. Usually offered alternate springs.

MATH-797 Master's Thesis Research (1-6) Usually offered every term. May be taken SP/UP only.

MATH-799 Doctoral Dissertation Seminar in Mathematics (1-12) Usually offered every term.

Business: Management

Undergraduate Courses

MGMT-201 Global Corporate Citizenship (3) Understanding the complexity of the business environment requires an understanding of business as a citizen. Certainly a good business citizen obeys the law, but is that sufficient? Good business citizenship also requires participation in the social order and accepting and perpetuating common values. This course prepares students to be managers and leaders of businesses that practice good citizenship in the global economy.

MGMT-301 The Entertainment Industry: Structure and Business Models (3) Examines the traditional structures of the music, film, television, publishing, and video game industries, their prior business models, and those that are currently emerging. Students also research new and emerging technologies and discuss what impact they may have on the future of content creation and delivery.

MGMT-302 Entertainment Law (3) Behind every television program, motion picture, or recording lies a complex series of legal agreements, which cover acquisition of rights, engaging talent, use of recordings on television, and much more. This course examines legal issues specific to and important for the entertainment industry, including legal aspects of contractual structures common in the industry, the law of intellectual property, and the major regulatory laws affecting the industry. *Prerequisite:* ACCT-301.

MGMT-303 Representing Talent (3) Examines the crucial role that agents, managers, and lawyers play in the careers of athletes and entertainers. Addresses questions including how to become a manager or agent; the legal structures in place to protect artists and athletes from unscrupulous managers and agents; specific requirements of sports leagues, unions, and guilds for agents who represent talent; and what happens when talent wants to fire an agent or manager. Students look at key legal cases, examine management and talent agency agreements, and learn more about the practice in both sports and entertainment.

MGMT-304 Protecting the Creative Class in the Face of Technological Innovation (3) Technology changes have dramatically affected the way that consumers interact with entertainment media and content. Students examine these seismic shifts in the creation and distribution of motion pictures, television programming, music, and printed works. Emphasis is placed on P2P file-sharing, streaming of music and the growth of Internet Radio, the Google Book Settlement, and other technological changes that have affected songwriters, recording artists, film and television studios, and other content creators.

MGMT-305 Music Publishing and Copyright (3) This course provides an introduction to the basics of the rights that composers and lyricists receive under U.S. Copyright Law and the role of the music publisher in popularizing songs. Students study sampling and attempt to create model licensing agreements for the use of samples. Students also learn about the use of songs in motion pictures, video games, television programs, and commercials. Given the dramatic change in the nature of publishing rights and many current events of interest, the course also examines critical cases that may affect the rights of composers, lyricists, and publishers in the coming years.

MGMT-353 Management and Organizational Behavior (3) Current management and organizational behavior practice and research. This course provides a broad framework and skills for managers in a variety of contexts, including organizational goals and responsibilities; models; decision theory; planning; control; motivation; leadership; group behavior; team skills intensive; conflict; and organizational change. *Prerequisite:* completion of 45 credits or permission of instructor.

MGMT-360 Nonprofit and Social Entrepreneurship (3) Nonprofit and social entrepreneurs can be a dynamic change agent for society and this course provides an in-depth exposure to starting a new nonprofit as well as creating new ventures within an existing nonprofit organization. The course focuses on entrepreneurship thinking and the process for successful new ventures within a nonprofit context. In addition, entrepreneurship's actual and potential contribution to changing lives, improving the environment in which we live, and its contribution to overall national, regional, and local economic and social development are also included. *Prerequisite:* junior or senior standing.

MGMT-361 Global Entrepreneurship and Micro Enterprises (3) Entrepreneurship is a driving and dynamic force in developed, developing, and less developed counties around the world. This course explores the complex considerations in developing, starting, and growing an entrepreneurship enterprise in multiple contexts and cultures. The utilization of alternative entrepreneurship and micro ventures strategies are also explored. *Prerequisite:* junior or senior standing.

MGMT-381 Managing Human Capital (3) This course introduces the strategic and functional role of human resource management in organizations, including personnel functions such as recruitment, selection, training, performance appraisal, and compensation. Additionally, students gain an appreciation for organizational and legal constraints affecting managers in private, public, and not-for-profit organizations. *Prerequisite:* junior or senior standing.

MGMT-382 Entrepreneurship and Innovation (3) Entrepreneurship is a way of thinking and behaving that can enrich your life, enhance the organizations you are involved with, and create substantial, high-impact results. Successful entrepreneurs who start their own new ventures or new ventures within corporate, consulting, nonprofit, government, or social enterprises have developed many of the same attitudes, behaviors, knowledge, and skills. *Prerequisite:* junior or senior standing.

MGMT-383 Entrepreneurship Business Plans: Creating, Building, and Managing Ventures (3) This course helps students understand the principles for developing entrepreneurial business plans to successfully create, build, and manage a new venture. Students gain an appreciation for the challenges of creating a venture and an understanding of the elements of a business plan as well as learning how to distinguish good ideas from good opportunities and developing a formal business plan to raise required resources. The course examines the driving forces that play a role in planning and setting up a business. *Prerequisite:* ACCT-240 and MGMT-382.

MGMT-390 Independent Reading Course in Management (1-3) *Prerequisite:* permission of instructor and department chair.

MGMT-391 Internship in Management (1-6) Provides students with the opportunity to blend practical business work experience with academic study. The academic workload varies depending on the internship credit to be earned. *Prerequisite:* MGMT-353 and permission of instructor.

MGMT-409 Leading High Performance Teams (3) Modern organizations demand synergistic results from collaborative workforce structures. This course teaches specific techniques for leading work teams to augment multiple performance outcomes. Students gain both an explicit and an experiential understanding of team management in business organizations, both as a member and as a supervisor. *Prerequisite:* junior or senior standing.

MGMT-458 Business Policy and Strategy (3) Integration of knowledge in functional areas of business and simulation of management experiences. Various methods of simulating a management environment are employed, including case studies and computerized management problems. Must be taken in the last two semesters prior to graduation. *Prerequisite:* ACCT-241, FIN-365, IBUS-300, ITEC-355 (ITEC-355 may be taken concurrently), MGMT-353, and MKTG-300.

MGMT-465 Negotiation (3) This course is designed to improve negotiating skills in all phases of the negotiating process through understanding prescriptive and descriptive negotiation theory as it applies to personal and professional negotiations. In-class simulations and out-of-class assignments are employed to introduce negotiation concepts in a variety of contexts, including one-on-one, multi-party, cross-cultural, third-party, and team negotiations. *Prerequisite:* junior or senior standing.

MGMT-469 Entrepreneurship Financial and Legal Strategies (3) Entrepreneurship financing and related financial legal issue considerations are critical components of an entrepreneurial business plan and running the business. This course covers a range of entrepreneurship financing strategies as well as their related legal considerations. Meets with MGMT-669. *Prerequisite:* ACCT-240 or equivalent, or permission of instructor.

MGMT-471 Peace through Entrepreneurship and Global Business Practicum (3) The course has three major components: experiential learning in which students work in teams to assist entrepreneurs in post-conflict regions to develop their business plans; seminars led by guest speakers with on-the-ground experience with entrepreneurship, global business, and economic development in post-conflict areas; and a guided research component wherein students choose a specific topic within the spectrum of peace through commerce issues. Meets with MGMT-671 and IBUS-471/671.

MGMT-484 Consulting and Project Management (3) This course provides critical skills for consulting and project management in business, government, and other organizations. It covers all dimensions of successful management consulting projects, developing and managing client relationships, project definition, building a project team, planning, analytical tools and risk analysis, project politics and communication, and managing ongoing projects. *Prerequisite:* MGMT-353.

MGMT-490 Independent Study Project in Management (1-3) *Prerequisite:* upper-division standing and permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

MGMT-517 Sustainability Systems: Legal, Regulatory, and Policy Issues (3) This course provides a general understanding of key legal, regulatory, and policy issues that relate to the concept of sustainability across three primary tracks: business, science, and policy. The course provides a foundational background that focuses on the major actors, interests, and challenges in sustainability and their interplay with related legal and regulatory principles.

Graduate Courses

MGMT-607 High Performance Teams (1.5) Modern organizations demand synergistic results from collaborative workforce structures. This course helps students gain both an explicit and an experiential understanding of factors associated with high performing teams, from both member and managerial perspectives. Students learn specific techniques for managing teams and assessing their own team-related competencies.

MGMT-608 Negotiations Strategy and Tactics (1.5) Focuses on negotiation and influence skills and effectiveness. Emphasis on tactics, behaviors, negotiation personalities and styles are addressed. Negotiation skills are developed and strategies, common tactics and behaviors, negotiation personalities/styles, and ethical issues in negotiation are addressed within the context of dyadic, multi-party, cross-cultural, third-party, and team negotiations.

MGMT-609 Management of Organizations and Human Capital (3) The effective management of organizations and human capital are critical to creating and maintaining competitive advantage. This course covers a range of strategic and tactical issues designed to gain an understanding and skills that can be applied to organizational structuring; creating positive organizational cultures; introducing organizational development initiatives; as well as strategic and tactical issues in leading and managing human capital.

MGMT-611 Leading and Managing Change (3) Leading and managing change at the individual, group, and organizational levels are critical to the survival, growth, and success of organizations. This applies to organizations that are small or large, old or new, privately-held or publicly-traded, profit-seeking or non-profit. Organizations face complex environmental changes that impact their performance and respond with organizational changes such as downsizing, mergers, acquisitions, divestitures, and leadership change. This course explores the sources and processes of leading and managing organizational change.

MGMT-624 Applied Strategic Management in a Global Environment (3) Focuses on developing and applying strategic management to successfully position organizations in a competitive global environment. Course is integrated with previous course experiences to hone decision making, analysis, and oral and written communication skills. Students work in small teams to analyze a real company's external environment, perform an internal corporate audit, and build detailed action plans including implementation issues and financial forecasting. *Prerequisite:* ACCT-607, FIN-605, FIN-614, IBUS-618, ITEC-610, ITEC-616, MGMT-609, and MKTG-612.

MGMT-626 Management Consulting Practices and Methodologies (3) This course provides an overview of the consulting industry and the consulting process. Students gain an understanding of the consulting industry, consulting firm management, important consulting functions (proposal writing, data gathering, presenting recommendations, etc.) and the analytical tools used in consulting. Also includes client relationships, professionalism and ethics, and the consulting lifestyle. *Prerequisite:* admission to MBA program or permission of instructor.

MGMT-632 Strategic Human Capital Management (3) Strategically managing human capital can provide a competitive advantage for businesses and nonprofit organizations by understanding perspectives, systems, and tools to effectively linking people investments to organizational effectiveness. Includes architecture and measures related to workforce planning, recruitment, selection, development, performance management, and retention with focus on real-world applications.

MGMT-633 Leading People and Organizations (3) This course covers modern management theory and practice for planning, organizing, leading, and deploying human capital to maximize organizational and personal success. Students learn about the individual in context, including motivation, human capital planning, performance management, organizational culture, decision making and leadership of self and others.

MGMT-634 Leading Teams in Modern Organizations (3) Modern organizations demand synergistic results from collaborative workforce structures. This course is designed to help students gain both an explicit and an experiential understanding of factors associated with high performing teams, from both member and managerial perspectives. Students learn specific techniques for leading and managing teams and assessing their own team-related competencies.

MGMT-635 Ethics, Social Responsibility, and Governance (1.5) Effective organizational leadership requires an understanding of ethics, social responsibility, and governance. This course focuses on understanding and articulating standards of good behavior and on developing policies and procedures to assure that standards are met.

MGMT-660 Entrepreneurship and Innovation (3) Entrepreneurship is a way of thinking and behaving that can enrich your life, enhance the organizations you are involved with, and create substantial, high-impact results. Successful entrepreneurs who start their own new ventures or new ventures within corporate, consulting, nonprofit, government, or social enterprises have developed many of the same attitudes, behaviors, knowledge, and skills.

MGMT-661 Entrepreneurship Practicum: New Venture Business Plan (3) Creating effective business plans for entirely new ventures, or creating new venture business plans within corporations, government, nonprofit, or social organizations is central to entrepreneurship, innovation, and potential high-impact results. This is a practical, experiential course that focuses on the process of creating a new venture business plan. The course also covers growing and scaling the venture. Students create their own new venture business plan as an integral part of the course. *Prerequisite:* ACCT-607 or FIN-630 or equivalent, MGMT-660, or permission of instructor.

MGMT-663 Managing Private and Family Businesses (1.5) This course examines the uniqueness of companies that are privately held, and addresses the strengths and weaknesses of private and family businesses across stages of family and business development. It covers interpersonal issues such as systems theory, fairness, personal styles and values, and dealing with conflict, as well as business issues relating to having partners including roles, authority, governance, ownership, and sharing profits.

MGMT-664 Leadership: Exploring Styles and Developing Competencies (3) Leadership is a creative act; bringing change, setting direction, and focusing organizational energy. This course builds skill in thinking "outside the box" and aligning with others to enact a vision of the future. Includes empowerment of middle managers, corporation/non-profit entrepreneurship, innovation, influence, charisma, and self-management, creativity and vision exercises. *Prerequisite:* MGMT-609 or MGMT-633, or permission of instructor.

MGMT-665 Negotiations (3) Focuses on negotiation skills through application of prescriptive and descriptive bargaining and negotiation theory. Integrative and distributive strategies, common tactics and behaviors, negotiation personalities/styles, and ethical issues in negotiation are addressed within the context of dyadic, multi-party, cross-cultural, third-party and team negotiations.

MGMT-666 Strategic Alliances, Mergers, and Acquisitions (3) Strategic alliances and cooperative strategies are fundamental to many new ventures and are particularly important for Internet, information, and high-technology ventures. Entrepreneurs and executives need to understand the range of strategies available, their trade-offs, and how they fit into the portfolio of techniques to grow a new venture and achieve superior returns.

MGMT-668 Global Entrepreneurship and Micro Ventures (3) Entrepreneurship is a driving and dynamic force in developed, developing, and less developed countries around the world. This course explores the complex considerations in developing, starting, and growing an entrepreneurship enterprise in multiple contexts and cultures. The utilization of alternative entrepreneurship and micro ventures strategies are also explored. *Prerequisite:* MGMT-660 or permission of instructor.

MGMT-669 Entrepreneurship Financial and Legal Strategies (3) Entrepreneurship financing and related financial legal issue considerations are critical components of an entrepreneurial business plan and running the business. This course covers a range of entrepreneurship financing strategies as well as their related legal considerations. Meets with MGMT-469. *Prerequisite:* FIN-614 or FIN-630, or permission of instructor.

MGMT-670 Nonprofit and Social Entrepreneurship and Strategy (3) Entrepreneurship is a critical component in nonprofit organizations. Nonprofit and social entrepreneurs can be a dynamic change agent for society and this course provides an in-depth exposure to starting a new nonprofit as well as creating new ventures within an existing nonprofit organization. The course focuses on entrepreneurship thinking and the process for successful new ventures within a nonprofit context. In addition, entrepreneurs' actual and potential contribution to changing lives, improving the environment in which we live, and its contribution to overall national, regional, and local economic and social development are also included.

MGMT-671 Peace through Entrepreneurship and Global Business Practicum (3) The course has three major components: experiential learning in which students work in teams to assist entrepreneurs in post-conflict regions to develop their business plans; seminars led by guest speakers with on-the-ground experience with entrepreneurship, global business, and economic development in post-conflict areas; and a guided research component wherein students choose a specific topic within the spectrum of peace through commerce issues. Meets with MGMT-471 and IBUS-471/671.

MGMT-685 Topics in Management (1.5-3) Topics vary by section, may be repeated for credit with different topic. Rotating topics may include current managerial challenges, institutional change, interorganizational issues.

MGMT-687 Corporate Governance (3) This course examines the relationship between managers and shareholders, and the processes and systems that investors use to ensure that managers act in the best interests of the firm's owners. The course covers issues including boards of directors, executive compensation, ownership structure, etc., and uses a combination of readings and case studies. Meets with FIN-687. *Prerequisite:* FIN-614.

MGMT-688 Consulting Practicum (3) As a practicum, this experiential learning opportunity enables student teams, under the supervision of a faculty supervisor, to serve as consultants to organizations to create new ideas, prepare project and business plans, and solve problems, all at the strategic level. These teams work closely with client management to define and analyze difficult organizational, new product/business and competitive problems, and make recommendations for action. Students develop a deeper understanding of consulting as well as the interdependence of functional areas. They also improve their teamwork and communication skills. Students and the faculty supervisor meet regularly with the management of the client organization to develop a detailed Statement of Work and provide updates on progress through touch points during the semester. Following completion of necessary research and data analyses, the team submits a written report and makes a presentation of its recommendations to the management of the company. Meets with KSB-688. Enrollment is limited and selection is on a competitive basis. Applicants must submit a resumé to the instructor for approval to register. *Prerequisite:* minimum 3.3 GPA and permission of instructor.

MGMT-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

MGMT-691 Internship (1.5) May be taken pass/fail only. *Prerequisite:* permission of instructor and department chair.

MGMT-717 Sustainability Strategy and Management (3) Sustainability is increasingly becoming a significant issue for business. Stakeholders are demanding that businesses minimize their negative impacts on natural and social systems and instead strive to create economically, socially, and environmentally sustainable organizations. Sustainability considerations create challenges and opportunities for businesses. This course helps students understand the complex relationship between business, societies, governments, and the natural environment, with a focus on strategic considerations for business organizations.

Business: Marketing

Undergraduate Courses

MKTG-250 Fundamentals of Marketing and Business for Communications (3) This course provides an introduction to the fundamentals of marketing and business relevant to media and communications. Includes an overview of the principles of marketing, the business environment, and business strategy and an introduction to microeconomics and financial statements. *Note:* This course is designed for non-business majors only and may not be taken by students who have a declared or intended major in KSB.

MKTG-300 Principles of Marketing (3) Introduction to marketing decision making in business and nonprofit organizations. Particular attention is devoted to analysis of customer needs; segmenting markets; and developing product, promotion, pricing, and distribution strategies. Relationships between consumers, business, and government are explored. *Prerequisite:* ECON-200.

MKTG-301 Consumer Behavior (3) Study of marketing, psychology, sociology, and cultural anthropology to determine motivations for product purchases. A multimedia approach is used to illustrate the use of behavioral science theory to create new products and promotional campaigns. Students learn to analyze consumer decisions for products or services and to determine effectiveness of information provided by government and charitable organizations. *Prerequisite:* MKTG-300 or MKTG-250.

MKTG-302 Marketing Research (3) Study of research tools used to aid marketing decision making. Considers definition of research problems, selection of projects, and analysis of data. Execution of a consumer survey is a major component of the course. Students use computers to analyze research data. *Prerequisite:* MKTG-300 or MKTG-250, and STAT-202.

MKTG-311 Internet Marketing (3) Analysis of the Internet's impact on marketing decision making. Includes Internet marketing strategy, electronic markets, customer purchase behavior, Internet marketing ethics, and the impact of the Internet on product development, promotion, pricing, and distribution strategies. Attention is devoted to integrating on-line and off-line marketing strategies. *Prerequisite:* MKTG-300 or MKTG-250.

MKTG-390 Independent Reading Course in Marketing (1-3)
Prerequisite: permission of instructor and department chair.

MKTG-391 Internship in Marketing (1-6) Provides students with the opportunity to blend practical business work experience with academic study. The academic workload varies depending on the internship credit to be earned. *Prerequisite:* MKTG-300 or MKTG-250, and permission of instructor.

MKTG-402 Marketing Strategy (3) Analysis of current marketing management issues. Students develop a marketing plan for an outside organization, analyze case studies, and participate in computer simulation exercises. *Prerequisite:* MKTG-300 or MKTG-250, MKTG-302, and ACCT-241.

MKTG-411 Advertising and Marketing Communications Management (3) The role of advertising, public relations, personal selling, and sales promotion in business. Emphasis on how promotional campaigns are planned, created, and budgeted, and how these campaigns can inform buyers, change attitudes, and increase sales. *Prerequisite:* MKTG-301 (may be taken concurrently) and upper-division standing.

MKTG-412 Advertising and Promotion Campaigns (3) Development of an advertising campaign for a client. Includes formulation of advertising strategy, media planning, media buying, creative execution, and campaign evaluation. *Prerequisite:* MKTG-411 and upper-division standing.

MKTG-421 Brand Management (3) Students explore brand-building and brand management for products, services, and organizations. This highly-interactive course focuses on the strategies decisions and challenges faced by brand managers. Emphasis is placed on experience with proven strategies for building brands in the competitive marketplace, on the decisions and options faced by brand managers, and on the necessary tools to manage brands. Students construct the brand concept for a new advantage, create brand identity, and build brand equity over time. *Prerequisite:* MKTG-250 or MKTG-300.

MKTG-431 Direct Response Marketing (3) Examination of direct marketing tools, such as direct mail, direct-response broadcast and print advertising, and telemarketing. Use of database technology to target prospective customers, and review of direct marketing in specific industries such as financial, retail, political, and fund-raising. *Prerequisite:* MKTG-300 or MKTG-250.

MKTG-490 Independent Study Project in Marketing (1-3)
Prerequisite: MKTG-300 or MKTG-250, and MKTG-302, and permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

MKTG-541 Sports Marketing Management (3) This course introduces students to managerial decision making within the sports industry and other businesses that use sports as an important component of their marketing strategies. The primary emphasis of the course is the application of marketing principles to actual problems faced by practicing sports marketers. *Prerequisite:* undergraduate MKTG-300 or MKTG-250; graduate: MKTG-610, MKTG-612, or MKTG-632.

MKTG-551 Marketing for Social Change (3) This course develops the knowledge, skills, and perspectives to apply fundamental marketing concepts (e.g. customer orientation, segmentation, and positioning) to create beneficial changes in society. Designed for students whose career goals involve working in or with organizations who desire to promote social change, or who are interested in understanding the role and application of marketing beyond commercial gain. *Prerequisite:* undergraduate: MKTG-300 or MKTG-250; graduate: MKTG-610, MKTG-612, or MKTG-632.

MKTG-561 Customer Relationship Management and Database Marketing (3) This course provides an understanding of Customer Relations Management (CRM) principles and database marketing practices. Students learn how to develop, maintain, and append additional data to a customer information database, create a customer scoring model, and use customer database information for business planning and enhance sales performance. Students evaluate case studies of frequent buyer loyalty programs and data driven product recommendation systems. The course also shows how businesses use customer and consumer data to increase sales and market share in target demographic sectors. *Prerequisite:* undergraduate: MKTG-300 or MKTG-250; graduate: MKTG-610, MKTG-612, or MKTG-632.

Graduate Courses

MKTG-610 Marketing Management (1.5) This course focuses on the development of marketing strategy in business and in non-profit organizations. Global and high-technology perspectives are offered throughout the course. Harvard Business School and IMD case studies and descriptions of actual marketing problems are presented and students act as marketing managers in analyzing the evidence presented and in developing solutions in order for students to learn marketing problem-solving skills through experiential or interactive learning. *Prerequisite:* KSB-601 and enrollment in MBA program, or permission of department chair.

438 Course Descriptions

MKTG-612 Marketing Management (3) This course provides students with an introduction to current marketing management techniques and the tools necessary for effective marketing decision making. Includes the principles of marketing; global perspectives on marketing management; financial analysis tools for effective decision making; and marketing strategy.

MKTG-632 Understanding the Marketplace and Consumer (3) This course provides students with an introduction to the fundamental principles of marketing needed for business, both profit and non profit. Includes an overview of products and new product development; pricing strategies including costing and financial analysis; and understanding the marketing environment including segmentation and targeting tools. *Prerequisite:* admission to MS in Marketing program.

MKTG-641 Digital Marketing (1.5) The nature of digital marketing and e-commerce is constantly evolving and key issues change rapidly. This course, a blend of theory and practice, explores the best paradigms, practices, and principles of traditional, new, and emerging marketing techniques, along with their effects on individuals, audiences, publics, and cultures. Through readings, case studies, and hands-on projects, students gain understanding of successful online marketing strategies, user generated content, search, social media and networks, mobile, and web analytics. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632 (which may be taken concurrently).

MKTG-651 Strategic Marketing for Nonprofits (1.5) This course explores the use of best practice strategies to meet the unique marketing requirements of nonprofit organizations in fields such as healthcare, education, global affairs, the arts, and the environment. Lectures and case studies focus on topics such as the development of three-sector (government-business-nonprofit) marketing alliances, volunteer recruitment, fundraising, and communications and branding as practiced by leading nonprofit organizations serving U.S. and global audiences. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632 (MKTG-632 may be taken concurrently).

MKTG-655 Entertainment Marketing (1.5) This course explores marketing issues related to the entertainment industries. Students apply cutting-edge marketing principles, theories, and research tools to the marketing of products and services within the entertainment industry and to the use of entertainment to market products and services. The course uses a mix of cases, readings, and discussions with clients to enhance student skills and understanding of entertainment marketing strategy. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632 (MKTG-632 may be taken concurrently).

MKTG-685 Topics in Marketing (1.5-3) Topics vary by section, may be repeated for credit with different topic. In depth coverage of rotating topics including qualitative and quantitative research methods on the Internet, web site design for e-marketing, etc. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632.

MKTG-688 Applied Client Project (3) May be repeated for credit. In this course students work in cross-functional teams to complete a comprehensive marketing project for either a for-profit or non-profit business enterprise. Teams are responsible for conducting primary and secondary research and reporting findings to their client. In addition, students use their research to develop a communication plan that includes a strategy, set of objectives, detailed budget, and a plan for campaign measurement. This project yields a deeper understanding and appreciation for the interdependence of each functional area, improves teamwork, and further develops written and oral communication skills. *Prerequisite:* admission to the MS in Marketing.

MKTG-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair and MKTG-612.

MKTG-691 Internship (1.5) May be taken pass/fail only. *Prerequisite:* permission of instructor and department chair and MKTG-612.

MKTG-750 Internet Marketing Management (1.5) Using the Internet as an implementation tool for business and marketing strategy. Provides an overview of web and commerce technologies, but the focus of the course is on marketing applications of the Internet, including distribution, commerce, advertising, public relations, and other “stakeholder” relations. A technical background is not required, but students develop an understanding of technical aspects of the Internet relating to marketing strategy. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632.

MKTG-754 Database Marketing (1.5) In contrast to traditional mass marketing approaches where firms market to large segments of consumers, database marketing uses individual level customer data (e.g., name, address, age, income, date and dollar amount of last purchase) to tailor marketing programs to individual customers. These individual level data are used to better understand customer behavior, to more effectively segment, target, and serve the marketer’s customers, and to identify new, promising prospects. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632.

MKTG-755 Applied Market Segmentation (1.5) This course brings together geography and demographics (geodemographics) to teach students how to segment markets and consumers more precisely so that marketing resources are used more effectively. Students also learn about the availability and characteristics of public and proprietary data and how these sources can be merged to provide valuable insights about consumer behavior and target marketing. This is a hands-on, practical course that includes mapping; reporting, and writing assignments using the proprietary software and segmentation tools developed by Nielsen Claritas; the market leader in precision marketing. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632.

MKTG-761 Buyer Behavior (1.5) Analysis of the psychological foundations of consumer behavior and implications for marketing strategy, including consumer perception, attention, comprehension, and memory; attitudes and attitude-behavior relationships; information integration and decision making; and behavior modification perspectives. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632.

MKTG-762 Integrated Marketing Communication (3) Survey of issues and techniques in integrated marketing communication (IMC). The course covers foundation issues, general strategic issues, and specific IMC vehicles and techniques. Includes the role of the "brand" in IMC, the role of consumer behavior, setting objectives, creative planning and implementation, media planning, advertising, sales promotion, sponsorship, and campaign effectiveness. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632 (may be taken concurrently).

MKTG-765 Brand Strategy (3) This course deals with the brand and what it represents to customers and stakeholders of an organization. The challenge of creating and managing this valuable asset is examined. Topics include brand-market analysis, segmentation, brand positioning for strategic advantage, brand equity, brand hierarchies and portfolios, extension, and leverage. The course uses a mix of cases, readings, and discussions with clients to enhance student skills and understanding of marketing strategy. *Prerequisite:* MKTG-610, MKTG-612, or MKTG-632.

MKTG-767 Research for Marketing Decisions (3) This course provides an overview of marketing research and its use in making effective marketing decisions. The course introduces the market research process and emphasizes appropriate research designs, sampling plans, and a toolbox of data collection and analysis techniques so that the results generated are meaningful and valid. Qualitative and quantitative research methods are covered. Students design questionnaires, collect research data, and use software to analyze data. Emphasis is on the applications of marketing research in various fields of marketing. *Prerequisite:* MKTG-610, MKTG-612 or MKTG-632 (may be taken concurrently).

Performing Arts: Applied Music

Undergraduate Courses

MUS-001 Applied Music Performance Lab (0) Required weekly performance lab provides students enrolled in private instrument or vocal study the opportunity to perform before their peers and public, or to hear guest performers and lectures. *Co-requisite:* MUS-121, MUS-122, MUS-334, or MUS-434.

MUS-121 Private Instrumental or Vocal Study (1) One half hour per week private instruction in voice, guitar, conducting, and keyboard, string, woodwind, brass, and percussion instruments. May be repeated for credit. *Prerequisite:* major or minor in Performing Arts or participation in ensembles, and permission of department. *Co-requisite:* MUS-001.

MUS-122 Private Instrumental or Vocal Study (2) One hour per week private instruction in voice, guitar, conducting, and keyboard, string, woodwind, brass, and percussion instruments. May be repeated for credit. *Prerequisite:* major or minor in Performing Arts or participation in ensembles, and permission of department. *Co-requisite:* MUS-001.

MUS-334 Private Instrumental or Vocal Study (4) Junior performance honors. Full recital required. *Prerequisite:* audition and permission of department. *Co-requisite:* MUS-001.

MUS-434 Private Instrumental or Vocal Study (4) Senior performance honors. Full recital required. *Prerequisite:* audition and permission of department. *Co-requisite:* MUS-001.

Graduate and Advanced Undergraduate Courses

MUS-021/MUS-022 Private Instrument (0) Students may enroll in noncredit private study for voice, piano, organ, guitar, or other orchestral instruments, for either ½ hour (MUS-021) or one hour (MUS-022) per week. *Prerequisite:* permission of department.

MUS-534 Studio Accompanying (2) Provides piano students with practical studio experience with singers and instrumentalists; includes two supervised hours (lessons) and four preparation hours per week. May be repeated for credit. *Prerequisite:* audition consisting of sight-reading and two songs handed out a week in advance, and permission of department.

Graduate Courses

MUS-791 Private Instrumental or Vocal Study (1) One half hour per week private instruction in voice, guitar, conducting, and keyboard, string, woodwind, brass, and percussion instruments. May be repeated for credit. *Prerequisite:* admission to Performing Arts degree program or participation in instrumental ensembles, and permission of department.

MUS-792 Private Instrumental or Vocal Study (2) One hour per week private instruction in voice, guitar, conducting, and keyboard, string, woodwind, brass, and percussion instruments. May be repeated for credit. *Prerequisite:* admission to Performing Arts degree program or participation in instrumental ensembles, and permission of department.

Performing Arts

Undergraduate Courses

PERF-102 Modern Dance I (3) An introduction to the basic principles and theories of modern dance technique with an emphasis on performance. Skill development is accompanied by a study of twentieth century choreographers and the social conditions shaping their artistry. Readings, videos, concerts, and written work enhance participants' knowledge. Usually offered every term.

PERF-103 Beginning Jazz Dance (3) An introduction to jazz dance technique with emphasis on concert jazz dance and musical theatre dance vocabulary. Technique development and performance skill are augmented by readings, videos, readings, concerts, and written work. Usually offered every term.

PERF-104 Beginning Ballet (3) An introduction to basic ballet technique with emphasis on movement vocabulary, terminology, placement, and performance. Readings, performances, and written work provide context, while development of technical skill helps cultivate proficiency and understanding. Usually offered every term.

PERF-108 Beginning Tap Dance (3) An introduction to basic tap technique and movement patterns. Dexterity, varying sound intensity, rhythm, and musicality are emphasized. Technical development is augmented by readings and written work exploring tap's emergence as a cross-cultural integration of Irish and African traditions in the United States and its development as a theatrical dance form. Usually offered every fall.

PERF-109 Dance Practicum (1) May be repeated for credit. Provides the student with the opportunity to continue his/her current level of dance technique course. Student may register for practicum only if he/she has completed the 3 credit dance course at the 100 level. Usually offered every term. *Prerequisite:* completion of equivalent 3 credit dance technique course or permission of the dance program director.

PERF-110 Understanding Music FA1 (3) An introduction to musical language through listening and comprehension. The fundamentals of acoustics, melody, harmony, form, texture, and color in a wide range of music from ancient and global music to European concert music, jazz, blues, and popular music. Includes listening and concert attendance requirements. Usually offered every term.

PERF-111 Class Piano Level I (1) Beginning study in piano. Prepares the beginning student for private study as well as basic keyboard musicianship skill essential to all musicians regardless of discipline.

PERF-112 Class Piano Level II (1) Prepares the beginning student for private study as well as expansion of basic keyboard musicianship skill essential to all musicians regardless of discipline. *Prerequisite:* PERF-111 or permission of instructor.

PERF-113 Class Guitar (1) Beginning study of guitar. Prepares the beginning student for private study and instrumental music study. May be repeated for credit at a more advanced level.

PERF-114 Class Voice (1) Basic principles of singing. Prepares the beginning student for private study and more effective choral singing, etc. May be repeated for credit at a more advanced level.

PERF-115 Theatre: Principles, Plays, and Performance FA1 (3) Provides an overview of the principles of drama from the ancient Greeks to contemporary society. The class draws on theatre history and social context, the reading of great literature, critical analyses, and artistic exploration to culminate in the experience which is the essential element of the art itself—performance. Usually offered every term.

PERF-118 World Music FA1 (3) This course focuses on the meanings of music in diverse global cultures through analysis of social and cultural contexts. Students examine the confluences and divergences of culture that happen in borderland regions, whether geographical, political, or social, through the lens of musical practice. Usually offered every term. May be taken A-F only.

PERF-120 Music Fundamentals (3) Introductory study of musical notation and theory including rhythm, intervals, scales, keys, chords, and musical forms. Usually offered every fall.

PERF-124 Music Theory I (3) The principles of part-writing, counterpoint, phrase structure, modulation to the dominant, and harmonic progression. Emphasis on compositional and analytical work. Usually offered every fall. *Prerequisite:* PERF-120 or equivalent experience in music.

PERF-125 Music Theory II (3) A continuation of Music Theory I, extending to chromatic harmonies, more complex contrapuntal and formal structures, modulation to distant keys, and modes. Usually offered every spring. *Prerequisite:* PERF-124.

PERF-142 University Chorus (1) Prepares and presents major works of the choral and choral-orchestral literature. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-143 University Singers (2) Small, highly select choral ensemble which prepares and presents advanced literature appropriate to a chamber ensemble. Rehearsals are also dedicated to appropriate pre-professional training of ensemble vocalists. Includes occasional tours and off-campus performances. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-144 University Orchestra (1) Prepares and presents works of orchestral literature, occasionally in collaboration with the AU Chorus and other Department of Performing Arts ensembles. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-145 Chamber Ensembles (1) String, mixed, and wind ensembles which prepare and present selected chamber music literature. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-146 Jazz Orchestra (1) Prepares and performs selected jazz works including standards, traditional big band era arrangements, and charts of more progressive, international, and fusion styles. Ensemble works in both big band and small combo format. May be repeated for credit. Usually offered every term.

PERF-147 Symphonic Band (1) Prepares and presents works of the symphonic band literature. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-150 Pep Band (1) May be repeated for credit. Usually offered every term.

PERF-161 Gospel Choir (1) Prepares and presents works of gospel vocal and choral literature. May be repeated for credit. Usually offered every term.

PERF-200 Dance as an Art Form FA1 (3) A survey of dance as an artistic, social, and cultural form. Students discover the diverse ways dance represents and reflects society's experiences and values. Through lectures, readings, written work, performances, movement labs, and choreography/performance assignments students develop an understanding of aesthetics, function, and expression in dance. Usually offered every term.

PERF-202 Modern Dance II (3) A study of modern dance technique for the intermediate dancer with emphasis on complex movement patterns and improvisation. Skill development is augmented by readings, videos, concerts and written work, promoting an understanding of the role of dance as a form of creative expression that gives insight into the individual and society. Usually offered every term. *Prerequisite:* audition or permission of dance program director.

PERF-203 Intermediate Jazz Dance (3) A study of jazz dance technique for the intermediate dancer with emphasis on performance quality, and complex movement patterns. Skill development is augmented by readings, videos, concerts, and written papers, emphasizing the historical evolution and contemporary relevance of the form. Usually offered every term. *Prerequisite:* audition or permission of dance program director.

PERF-204 Intermediate Ballet (3) A study of ballet technique for the intermediate dancer with emphasis on complex movement patterns and increased agility. Skill development is augmented by readings, videos, concerts, and written work. Usually offered every term. *Prerequisite:* audition or permission of the dance program director.

PERF-205 Masterpieces of Music FA1 (3) Listening to and analyzing masterpieces of Western music from the Middle Ages to the present day. The course includes a variety of genres and styles with background study into the historical era and particular composers. Usually offered every spring.

PERF-206 African Dance (3) Students learn the inter-relationship between movement and sound, creative expression, and community in African dance. Readings, videos, concerts, and class discussions enhance participants' knowledge of traditional African society, while providing a context for cross-cultural understanding. Usually offered every fall.

PERF-208 Intermediate Tap Dance (3) A study of tap technique for the intermediate dancer. Multiple tap styles and complex movement combinations are emphasized. Technical development is augmented by readings, videos, concerts, and written work on the history and contemporary relevance of the form. Usually offered every spring. *Prerequisite:* PERF-108 or permission of instructor.

PERF-209 Dance Practicum (1) May be repeated for credit. Provides the student with the opportunity to continue his/her current level of dance technique course. Student may register for practicum only if he/she has completed the 3 credit course at the 200 level. Usually offered every term. *Prerequisite:* completion of equivalent 3 credit dance technique course and permission of the director of dance.

PERF-210 Greatness in Music FA1 (3) Study of the concept and meaning of greatness in music through the Western classical canon, world music, vernacular and popular music, and performance. Readings and lectures examine the aesthetic criteria for greatness in each area and offer students an opportunity to evaluate and critique diverse genres of music. Course readings are drawn not only from music but also other arts. Usually offered every fall.

PERF-214 Theatre Performance Practicum (1) May be repeated for credit. Provides students with the opportunity to continue their current level of performance study. *Prerequisite:* PERF-251 or PERF-252 and permission of program director.

PERF-215 Opera on Stage and Film FA1 (3) Classics of operatic repertoire. Through readings, viewing videotapes, and attending live productions, students confront the literary sources, dramatic and musical structures, cultural forces, and the social, political, and historical environments that shaped the works and gave them life. Usually offered every spring.

PERF-220 Reflections of American Society on Stage FA1 (3) Examines artistic and cultural developments and societal phenomena as reflected in stage performance throughout the history of the United States. By reading plays as well as viewing productions linked to important historical, artistic, cultural, and political movements and events, students investigate and analyze the relationships between the creative artists, their produced works, and the societal contexts within which they originated. Usually offered every term.

PERF-225 The African American Experience in the Performing Arts FA1 (3) Explores African American contributions to uniquely American forms and institutions in the performing arts. The course examines the artistic and cultural implications of these forms—from minstrelsy, vaudeville, and tap dance to jazz, blues, and gospel—set against the societal phenomena that shaped them, as well as the influence of African Americans on the broad range of performing arts genres, including musical theatre, drama, comedy, dance, and film. Usually offered every fall.

PERF-226 Improvisation (3) Introduction to the basic proficiency and technique of improvising. *Prerequisite:* music major or minor, or permission of instructor.

PERF-227 Musicianship I (3) The practical techniques of reading, hearing, sight singing, playing, and conducting simple (diatonic) musical materials and the methods by which those tasks are accomplished. Includes lab work in keyboard skills, conducting, score reading, and improvisation. Usually offered every fall. *Prerequisite:* PERF-120 or equivalent musical experience.

PERF-228 Musicianship II (3) The continuation of reading, sight singing, playing, and conducting scores into chromatic and modal materials. Includes lab work in keyboard skills, conducting, score reading, and improvisation. Usually offered every spring. *Prerequisite:* PERF-227 or equivalent musical experience.

PERF-251 Fundamentals of Acting I (3) Introduces beginning performance skills for actors, including the basics of Stanislavski's system of acting, basic physical and vocal warm-ups, and character analysis. Usually offered every term. *Prerequisite:* permission of instructor.

PERF-252 Fundamentals of Acting II (3) Continues the exploration of beginning performance skills through scene study, textual analysis, and character exploration. Usually offered every spring. *Prerequisite:* PERF-251 and permission of instructor.

PERF-255 Fundamentals of Dance (3) An introduction to movement concepts, dance vocabulary, and dance technique for the musical theatre dancer. Usually offered every term.

PERF-260 Stagecraft (3) Explores techniques of stagecraft including scenery, properties, lighting, sound, and makeup, along with theatrical production philosophy and organization and an overview of the process of design. Mandatory lab sessions provide experience in scenic construction, basic electricity, stage lighting, costume, and live-performance support. Usually offered every term.

PERF-261 Introduction to Stage Design (3) Introduces the elements and principles of design, the relationship between image and text, and how these principles are applied to scenography in the performing arts. Usually offered every term.

PERF-262 Stage Management (1) Provides a broad overview of stage management and related production management theory, with concentration on rehearsal and performance management techniques. Usually offered every term. *Prerequisite:* PERF-260 and permission of instructor.

PERF-265 Theatre Practicum (1) Topics vary by section, may be repeated for credit with different topic. Provides a practical experience in designated areas of technical theatre: set construction and lighting, costume, and stage management. Usually offered every term. *Prerequisite:* PERF-260.

PERF-302 Modern Dance III (3) A study of modern dance technique for the advanced dancer. Personal artistry and advanced technical development and improvisation are emphasized. Technical development and performance studies are augmented by readings, videos, concerts, and papers on performance, technique, and choreography. Usually offered every term. *Prerequisite:* audition or permission of dance program director.

PERF-303 Dance Improvisation (3) An exploration of spontaneous movement for the development of performance and composition. Movement invention and problem solving are emphasized. Usually offered alternate falls. *Prerequisite:* permission of dance program director.

PERF-307 Principles of Movement (3) An introduction to human anatomy, kinesiology, and somatics in relation to dance technique, performance, conditioning, and injury prevention. Students develop movement observation and analysis skills as applied to the structure and function of the dancing body. Usually offered alternate springs. *Prerequisite:* permission of dance program director.

PERF-308 The Moving Body (3) Explores awareness of physical instincts, and the skill set to utilize those instincts in the act of physical creative expression on stage. Students use their bodies as exploratory tools to embrace the power of personal creativity and authentic expression. With a focus on physical theatre, the course is designed primarily for actors, but the techniques explored are also applicable to dancers and others in the performing arts. Usually offered every fall. *Prerequisite:* permission of instructor.

PERF-309 Dance Practicum (1) May be repeated for credit. Provides the student with the opportunity to continue his/her current level of dance technique course. Student may register for practicum only if he/she has completed the three credit dance course at the 300 level. Usually offered every term. *Prerequisite:* completion of equivalent 3 credit dance technique course or permission of dance program director.

PERF-314 Theatre Performance Practicum (1) May be repeated for credit. Provides students with the opportunity to continue their current level of performance study. *Prerequisite:* PERF-308, PERF-340, PERF-350, or PERF-355 and permission of program director.

PERF-320 History of Rock Music (3) A stylistic examination of rock music from its origins to the present. Movements studied within a context of culture and society include blues, R&B, rockabilly, the folk revival, soul, doowop, the Motown sound, beach music, British rock, acid rock, hard rock, metal, disco, punk, grunge, and hip-hop. Usually offered every fall.

PERF-321 Evolution of Jazz and Blues (3) Cultural sources and growth of divergent stylistic characteristics of jazz and blues through the past hundred years. Usually offered every spring.

PERF-322 History of Music I: From Antiquity to 1750 (3) Historical survey of music in Western civilization, from antiquity and the Middle Ages (to c.1400), through the Renaissance (c.1400-1600) and the baroque era (c.1600-1700). The course focuses on the origins and evolutions of genres, styles, and forms in which the music is examined within a social and cultural context. Usually offered every spring. *Prerequisite:* PERF-125 or permission of instructor.

PERF-323 History of Music II: From 1750 to the Present (3) Historical survey of music in Western civilization, from the pre-classical and classical (c.1750-1800), through the romantic (c.1800-1900) and modern eras (c.1900-present). The course focuses on the origins and evolutions of genres, styles, and forms in which the music is examined within a social and cultural context. Usually offered every fall. *Prerequisite:* PERF-125 or permission of instructor.

PERF-324 Form and Analysis (3) Exploration of the structural principles of Western music from the Baroque period to the late twentieth century. Special emphasis on sonata form, motivic development, chromaticism, harmonic reduction, and structural analysis. Usually offered every fall. *Prerequisite:* PERF-125.

PERF-325 Counterpoint (3) The study of contrapuntal writing from tonal sources including the invention, chorale-prelude, and fugue through analysis and composition of examples. Also includes invertible counterpoint and canon. Usually offered every spring. *Prerequisite:* PERF-125.

PERF-326 Orchestration (3) Scoring for various chamber ensembles and full orchestra. Analysis of the orchestration of composers from the classical era to the present. Usually offered alternate springs.

PERF-331 Music Technology I (3) Familiarizes students with the creative use of new sound technology (synthesizers, computers, etc.). The course covers, with hands-on experience, the techniques applied in music composition and/or performance on an elementary level. Usually offered alternate falls.

PERF-332 Music Technology II (3) A continuation of PERF-331. Covers the principles of electronic music composition and analysis of performance styles. The course focuses on actual composition and performance of works created by students. Usually offered alternate springs. *Prerequisite:* PERF-331.

PERF-340 From Scene Into Song (3) Provides practical workshop experience to develop proficiency in a range of musical theatre genres. Students develop vocal and acting techniques to dramatically interpret lyrics, to craft smooth transitions from dialogue to song, and to create characters within specific contexts of chosen musicals. Usually offered every spring. *Prerequisite:* PERF-227, PERF-228, PERF-251, and permission of instructor.

PERF-346 Survey of Musical Theatre (3) Provides a basic overview of the historical developments of musical theatre and a study of the structural forms and content of the various genres, from fledgling musical attempts to the Golden Age to present-day musicals. Because modern musical theatre is a uniquely American art form, this course encourages students to examine the musical within evolving historical, social, political, and artistic milieus. Usually offered every fall. *Prerequisite:* PERF-115 and permission of instructor.

PERF-350 Fundamentals of Acting III (3) Introduces the elements of style and rigorous scene study process to the foundation established in PERF-251 and PERF-252. Through the exploration of classical texts that exemplify specific physical and vocal stylistic theatrical periods, the students continue to hone their artistic versatility. The course is designed to complement the student's previous experience with contemporary/modern scene study with the technical know-how of theatre styles. Usually offered every fall. *Prerequisite:* PERF-251, PERF-252, and permission of instructor.

PERF-355 Voice and Speech (3) Develops effective techniques of voice and diction to cultivate optimally efficient use of the vocal instrument onstage. Usually offered every spring. *Prerequisite:* PERF-251 and permission of instructor.

PERF-356 Diction for Singers (3) An introduction to the diction rules required for lyric (sung) Italian, French, and German, and application of those rules through practical application in songs, arias, and vocal chamber music. International Phonetic Alphabet (IPA) is introduced and used to assist students in learning consistent foreign language and as a tool for additional communication among singers, teachers, and coaches when discussing questions of lyric diction. Usually offered alternate springs.

PERF-362 Lighting Design (3) Explores the power of lighting in the theatrical experience. Students learn the basics of electricity, the physics of theatrical lighting equipment, and the art of lighting in the collaborative design process. Projects include designing theoretical light plots and composing lighting cues for actual productions. Usually offered alternate springs. *Prerequisite:* PERF-260, PERF-261, and permission of instructor.

PERF-364 Basics of Set and Costume Design (3) Introduces the technical and artistic aspects of set and costume design. Draws on the fine arts, architecture, history, critical analysis, and the student's own artistic exploration to facilitate an understanding of how these are applied to stage production. Usually offered alternate springs. *Prerequisite:* PERF-260, PERF-261, and permission of instructor.

PERF-365 Theatre History I: From the Greeks to the Eighteenth Century (3) Explores the historical pattern of dramatic literature and theatrical production and the social function of the theatre from its earliest appearance through the eighteenth century. Usually offered every fall. *Prerequisite:* PERF-115 and permission of instructor.

PERF-366 Theatre History II: From the Nineteenth Century to the Present (3) Explores the historical pattern of dramatic literature and theatrical production and the social function of the theatre from the nineteenth century to the present. Usually offered every spring. *Prerequisite:* PERF-115 and permission of instructor.

PERF-385 Music in Twentieth-Century Britain (3) Offered as part of the AU Abroad London program, this course examines a wide range of contemporary musical styles important in twentieth-century Britain. The nature of the musical material, the forms, and the instrumentation are studied, as well as the cultural, political, and economic context in which it was created.

PERF-390 Independent Reading Course in Performing Arts (1-6) *Prerequisite:* permission of instructor and department chair.

PERF-398, PERF-399 Honors, Junior Year (1-6), (1-6) May be repeated for credit. Usually offered every fall and spring. *Prerequisite:* permission of department chair and honors director.

PERF-404 Advanced Ballet (3) A study of ballet technique for the advanced dancer. Development of personal artistry, complex movement combinations, and classical and contemporary techniques are emphasized. Technical development and performance studies are augmented by readings, videos, concerts, and papers on contemporary ballet as a reflection of society. Usually offered every term. *Prerequisite:* audition or permission of the dance program director.

PERF-409 Dance Practicum (1) May be repeated for credit. Provides the student with the opportunity to continue his/her current level of dance technique course. Student may register for practicum only if he/she has completed the 3 credit dance course at the 400 level. Usually offered every term. *Prerequisite:* completion of equivalent 3 credit dance technique course and permission of dance program director.

PERF-411 Composition of Dance I (3) An introduction to the craft of choreography. Movement invention, improvisation, form, and structure are emphasized, culminating in a cohesive solo piece of choreography created and performed by the student. Usually offered alternate falls. *Prerequisite:* permission of dance program director.

PERF-412 Composition of Dance II (3) Continuation of PERF-411. This course focuses on the continued development of choreography skills with emphasis on the development of thematic material, group composition, and choreography for musical theatre. Usually offered alternate falls. *Prerequisite:* PERF-411 or permission of dance program director.

PERF-414 Theatre Performance Practicum (1) May be repeated for credit. Provides students with the opportunity to continue their current level of performance study. *Prerequisite:* PERF-456 and permission of program director.

PERF-435 Topics in Music (3) Topics vary by section, may be repeated for credit with different topic. Topics include the study of a stylistic area such as orchestral, chamber, opera, American, folk, and twentieth-century music, or specific studies in analysis, technique, performance practices, music philosophy, and aesthetic theory. Meets with PERF-635. Usually offered every spring.

PERF-444 Business and Music Capstone (2) This course provides Business and Music majors with a comprehensive, integrative seminar, which guides students to a summary of their internship experience. It also assists students in leveraging their internship experiences to find success in the for-profit music industry. Usually offered every fall.

PERF-445 Senior Capstone (3) Provides theatre, musical theatre, and music majors with a comprehensive integrative seminar and guides the student to the realization of a creative capstone project. Builds upon the foundation of theory and experience acquired throughout the undergraduate years. Usually offered for music majors every fall; usually offered for theatre/musical theatre majors every spring.

PERF-450 Rotating Topics in Theatre (1-3) Topics vary by section, may be repeated for credit with different topic. Designed for advanced undergraduate students who wish to continue theatre studies. Emphasis on approaches to performance material and preparation techniques for improvisation, acting for the camera, the business of acting, advanced acting styles, children's theatre, theatre for children and youth, creative dramatics, Shakespeare, musical theatre, directing methodologies, auditioning and monologue preparation, and other selected topics. Meets with PERF-650. Usually offered every term. *Prerequisite:* permission of instructor.

PERF-452 Directing Techniques (3) Provides training in the foundations of directing for the theatre by applying various directorial theories, forms of play analysis and types of staging to particular scripts. Meets with PERF-652. Usually offered every fall. *Prerequisite:* PERF-115, PERF-251, PERF-260, and permission of instructor.

PERF-455 Dance Styles for Musical Theatre (3) Provides a survey of dance in musical theatre, encompassing a repertory, audition techniques, and technique and performance development, as well as practical workshop experience in a range of musical theatre genres. Usually offered every spring. *Prerequisite:* permission of instructor.

PERF-456 Acting IV: Audition Techniques (3) Intended for the advanced student, this course examines the realities of the marketplace and necessary techniques for preparation for the acting profession. Focuses on acquisition of skills for the auditioning process and the development of tools for entering the professional world. Usually offered every spring. *Prerequisite:* PERF-251, PERF-252, and permission of instructor.

PERF-457 Playwriting (3) Explores the study and development of original scripted works and the process inherent in the creation of a dramatic piece. Usually offered every spring. *Prerequisite:* PERF-115, PERF-251, and PERF-260, or permission of instructor.

PERF-490 Independent Study Project in Performing Arts (1-6) *Prerequisite:* permission of instructor and department chair.

PERF-491 Performing Arts: Internship (1-6) *Prerequisite:* permission of instructor and department chair.

PERF-498, PERF-499 Honors, Senior Year (1-6), (1-6) May be repeated for credit. Usually offered every fall and spring.

Graduate and Advanced Undergraduate Courses

PERF-503 Technology and Fundraising (3) This hands-on course teaches students current computer-based fundraising applications for nonprofit organizations. Students improve their understanding of the context, constructs and application of fundraising and donor management software, prospect research and wealth identification services, and research tools for identifying individual and institutional supporters and other emerging technologies. The course provides practical knowledge on current systems as well as frameworks to adapt to future system innovations. Usually offered every fall. *Prerequisite:* permission of instructor.

PERF-504 African Dance (3) Students learn the inter-relationship between movement and sound, creative expression, and community in African dance. Readings, videos, concerts, and class discussions enhance participants' knowledge of traditional African society, while providing a context for cross-cultural understanding. Usually offered every fall.

PERF-505 Grant Writing for Nonprofit Organizations (3) This course contributes to students' skills in developing and writing grant proposals for nonprofit organizations. Focused primarily on institutional funding, this course provides an in-depth look at grant writing based on best practices in the field. *Prerequisite:* permission of instructor.

PERF-515 Psychology of Music (3) This course focuses on how we process music in general, both at micro and macro levels. The course explores neural, perceptual, cognitive, as well as social and clinical aspects of both listening to and performing music. Topics discussed include the workings of the brain, comparisons with language, memory for music, development of musicality, individual differences, performance anxiety, and music therapy. Meets with PSYC-515. *Prerequisite:* three psychology courses, and theoretical or practical music experience.

PERF-542 University Chorus (1) Prepares and presents major works of the choral and choral-orchestral literature. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-543 University Singers (2) Small, highly select choral ensemble which prepares and presents advanced literature appropriate to a chamber ensemble. Rehearsals are also dedicated to appropriate pre-professional training of ensemble vocalists. Includes occasional tours and off-campus performances. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-544 University Orchestra (1) Prepares and presents works of orchestral literature, occasionally in collaboration with the AU Chorus and other Department of Performing Arts ensembles. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-545 Chamber Ensembles (1) String, mixed, and wind ensembles which prepare and present selected chamber music literature. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-546 Jazz Orchestra (1) Prepares and performs selected jazz works including standards, traditional big band era arrangements, and charts of more progressive, international, and fusion styles. Ensemble works in both big band and small combo format. May be repeated for credit. Usually offered every term. *Prerequisite:* audition.

PERF-550 Pep Band (1) May be repeated for credit. Usually offered every term.

PERF-561 Gospel Choir (1) May be repeated for credit. Prepares and presents works of gospel vocal and choral literature. Usually offered every term.

PERF-570 Survey of Arts Management (3) Study of various facets of management in the arts: contracts, logistics, organization, etc. Usually offered every fall. *Prerequisite:* permission of instructor.

PERF-571 Marketing the Arts (3) Examines the techniques for strategic marketing, public relations skills, and the current technologies involved. Usually offered every fall. *Prerequisite:* PERF-570 or permission of instructor.

PERF-572 Introduction to Technology in Arts Management (3) This course introduces the ways in which technology influences modern approaches to arts management. Topics include the history and development of Web 2.0; an overview of technology-based applications in the arts; effects of technology on the various arts management disciplines; building a common vocabulary; clearance and copyright; technology influenced organizational change; and union regulations and collective bargaining agreements and case studies. Usually offered every fall.

PERF-573 Technology and Marketing the Arts (3) In this course students develop an understanding of how technology and media can be used as tools for marketing the arts. The hands on computer-based course covers Web 2.0, email marketing, direct mail, telemarketing, social media, websites, podcasting, blogging, mobile technology, and other current media. Usually offered every fall.

PERF-575 Arts Education (3) This course introduces students to philosophies and critical issues of arts in education, and explores various models of arts education programs. Through close examination of several different paradigms, students investigate the means to provide children and adults with critical understanding and knowledge of the arts. Usually offered alternate falls. *Prerequisite:* PERF-570 or permission of instructor.

PERF-580 Cultural Policy and the Arts (3) This course studies government and cultural systems and their influences on and support of the arts. Includes federal, state, and local support of the arts in the United States and the impact of government policy, technology, and globalization on artists and arts organizations. Usually offered every spring. *Prerequisite:* admission to the MA or graduate certificate in Arts Management or permission of instructor.

PERF-581 Topics in Arts Management (3) Topics vary by section, may be repeated for credit with different topic. Provides an in-depth examination of various topics in the field of arts management. *Prerequisite:* permission of instructor.

PERF-583 Legal Issues in the Arts (2) This course is a survey of legal issues that pertain to the operation of nonprofit organizations, particularly arts groups. Students learn about the relevant aspects of corporate law, tax law, intellectual property, fiduciary duties, corporate sponsorships, nonprofit policies, contracts, and employment laws. Usually offered every summer. *Prerequisite:* permission of instructor.

PERF-584 Arts and Experience (3) This course combines the intensive, practical work of a part-time work experience (volunteer or paid) at a nonprofit or government arts organization with discussion, readings, and other activities to fuse theory with practice. Usually offered every term. *Prerequisite:* permission of instructor.

PERF-586 Performing Arts Programming (3) This course examines the diverse issues of arts programming, from planning and implementation to collaboration and evaluation, and identifies best practices for nonprofit organizations. *Prerequisite:* permission of instructor.

PERF-590 Independent Reading Course in Performing Arts (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

PERF-622 History of Music I: From Antiquity to 1750 (3) Historical survey of music in Western civilization, from antiquity and the Middle Ages (to c.1400), through the Renaissance (c.1400-1600) and the baroque era (c.1600-1700). The course focuses on the origins and evolutions of genres, styles, and forms in which the music is examined within a social and cultural context. Usually offered alternate springs.

PERF-623 History of Music II: From 1750 to the Present (3) Historical survey of music in Western civilization, from the pre-classical and classical (c.1750-1800), through the romantic (c.1800-1900) and modern eras (c.1900-present). The course focuses on the origins and evolutions of genres, styles, and forms in which the music is examined within a social and cultural context. Usually offered alternate springs.

PERF-635 Topics in Music (3) Topics vary by section, may be repeated for credit with different topic. Topics include the study of a stylistic area such as orchestral, chamber, opera, American, folk, and twentieth-century music, or specific studies in analysis, technique, performance practices, music philosophy, and aesthetic theory. Meets with PERF-435. Usually offered every spring.

PERF-650 Rotating Topics in Theatre (1-3) Topics vary by section, may be repeated for credit with different topic. Designed for advanced graduate students who wish to continue theatre studies. Emphasis on approaches to performance material and preparation techniques for improvisation, acting for the camera, the business of acting, advanced acting styles, children's theatre, theatre for children and youth, creative dramatics, Shakespeare, musical theatre, directing methodologies, auditioning and monologue preparation, and other selected topics. Meets with PERF-450. Usually offered every term. *Prerequisite:* permission of instructor.

PERF-652 Directing Techniques (3) Provides training in the foundations of directing for the theatre by applying various directorial theories, forms of play analysis and types of staging to particular scripts. Meets with PERF-452. Usually offered every fall. *Prerequisite:* permission of instructor.

PERF-656 Acting IV: Audition Techniques (3) This course examines the realities of the marketplace and necessary techniques for professional acting. Focuses on acquisition of skills for the auditioning process and the development of tools for entering the professional world. Usually offered every spring. *Prerequisite:* permission of instructor.

PERF-657 Playwriting (3) Explores the study and development of original scripted works and the process inherent in the creation of a dramatic piece. Usually offered every spring. *Prerequisite:* permission of instructor.

PERF-665 Theatre History I: From the Greeks to the Seventeenth Century (3) The historical pattern of drama as an art form and the social function of the theatre from its earliest appearance through the seventeenth century. Usually offered every fall.

PERF-666 Theatre History II: From Baroque to the End of the Nineteenth Century (3) The historical pattern of drama as an art form and the social function of the theatre from the baroque to the present. Usually offered alternate springs.

PERF-672 Rotating Topics in Arts Management (3) Topics vary by section, may be repeated for credit with different topic. An exploration of major areas of arts management: grants and fund raising; box office, income, and general administration; and arts in education. Usually offered every term. *Prerequisite:* PERF-570 or permission of instructor.

PERF-673 Fundamentals of Fund-Raising (3) Examines the factors most conducive to the financial health of institutions and ways of obtaining and maintaining funding. Usually offered every fall. *Prerequisite:* PERF-570 or permission of instructor.

PERF-674 Financial Management in the Arts (3) An exploration of major areas of financial management in the arts including financial planning, grants management, contributed and earned income, and general administration. Covers specific case studies and emphasizes interaction with other functional areas such as finance and production. Usually offered every spring. *Prerequisite:* PERF-570 or permission of instructor.

PERF-675 Governance and Leadership (3) This course provides conceptual and practical grounding in the legal, human, and administrative aspects of nonprofit boards. Students explore the board/CEO relationship, different governance structures, and the best practices of good governance. Usually offered every spring. *Prerequisite:* PERF-570 or permission of instructor.

PERF-690 Independent Study Project in Performing Arts (1-6) *Prerequisite:* permission of instructor and department chair.

PERF-691 Performing Arts: Internship (1-6) May be taken pass/fail only. *Prerequisite:* permission of instructor and department chair.

PERF-693 Sotheby's Institute of Art, London (1-12) Topics vary by section, may be repeated for credit with different topic. The course provides an opportunity for students to study abroad in the Arts and Business Program at Sotheby's Institute of Art, London. Usually offered every term. May be taken A-F only. *Note:* consult Arts Management graduate program.

PERF-702 Master's Portfolio Seminar (1-6) Independent creative and analytical work toward a project in lieu of thesis for students in the arts management graduate program. *Prerequisite:* MA in arts management candidate with 12 credit hours with a B or better average and permission of the program director.

PERF-793 Directed Research in the Arts (1-6) Independent research project in lieu of thesis for students in the arts management graduate program. *Prerequisite:* MA in arts management candidate with 12 credit hours with a B or better average and permission of program director.

PERF-794 Literature Review and Proposal Writing (2) This course helps MA in Arts Management students formulate and execute their capstone project. It introduces students to strategies around problem formulation, basic research design, literature review development, proposal formulation, and capstone defense strategies. Usually offered every summer. *Prerequisite:* MA in Arts Management student and permission of instructor.

PERF-795 Research and Writing (1) This course is for MA in Arts Management students who have progressed beyond the proposal and literature review stages for their capstone project and are pursuing field work and analysis. Students also learn effective presentation techniques. Usually offered every summer. *Prerequisite:* MA in Arts Management student and permission of instructor.

PERF-797 Master's Thesis Seminar (1-6) May be taken SP/UP only.

PERF-798 Seminar in Arts Management (2) This capstone course for MA in Arts Management students provides the opportunity to synthesize concepts and further analyze professional, organizational, and inter-organizational issues. Usually offered every spring. *Prerequisite:* MA in Arts Management student and permission of instructor.

Philosophy

Undergraduate Courses

PHIL-105 Western Philosophy FA2 (3) A historical introduction to the Western philosophical tradition. Students closely examine classic and contemporary texts on the nature of reality, truth, morality, goodness, and justice; the possibility of knowledge; faith, reason, and the existence of God; and the issue of freedom and determinism. Usually offered every term.

PHIL-200 Introduction to Logic (3) Basic principles of inductive and deductive reasoning. Text and exercises supplemented by readings and discussions in history, philosophy, and applications of logic. Usually offered every term.

PHIL-211 Introduction to Asian Philosophy (3) A thematic introduction to the Eastern philosophical tradition. Students read major classic and contemporary texts in Eastern philosophy on being, world, society, and ethics, and examine Eastern philosophers' views on the nature of self, personhood, politics, family, and gender; logics, religion, and cosmology. Usually offered alternate springs (even years).

PHIL-220 Moral Philosophy FA2 (3) This course investigates the question of what it means to live a moral life. Examining major works in Western philosophy, issues discussed include moral goodness and evil, the nature of justice and rights, the relationship between morality and self-interest, the justification of moral judgments, relativism versus objective truth, the role of pleasure in the good life, and the meaning of character and virtue. Usually offered every term.

PHIL-230 Meaning and Purpose in the Arts FA1 (3) Leading theories of the nature, purpose, and meaning of artistic activities and objects examined through writings of philosophers, artists, and critics of ancient and modern times. Both Western and non-Western viewpoints are considered. Student projects apply critical ideas to particular works in an art form familiar to them. Usually offered every term.

PHIL-235 Theories of Democracy and Human Rights FA2 (3) This course analyzes traditional Western theories of democracy and rights, both separately and in relation to each other, as well as contemporary approaches such as Habermasian, post-modern, feminist, and critical race theory. It also considers the East-West debate on human rights. Usually offered every term.

PHIL-240 Ethics in the Professions FA4 (3) This course provides a framework for thinking generally about ethics, and more specifically about professional ethics. In addition, it addresses ethical dilemmas that arise in the professions of government, law, business, medicine, the media, and the academy. Usually offered every term.

PHIL-241 Bioethics (3) An introduction to the growing field of bioethics, this course examines the ethical implications of recent developments in bio-medical technology, as well as the ethical lessons of historical cases. Students read philosophers and ethicists on topics such as human subject research, patients' rights, medical rationing, and public and global health issues. Usually offered every spring.

PHIL-380 Colloquium in Philosophy (1) Topics vary by section, may be repeated for credit with different topic. This course provides an opportunity for students to engage in philosophical practice in a more expansive way than in a traditional class in order to explore a central question of philosophical significance, a prominent theme, or important text. *Prerequisite:* one course in philosophy.

PHIL-390 Independent Reading Course in Philosophy (1-6)
Prerequisite: permission of instructor and department chair. *Note:* Generally open only to seniors.

PHIL-391 Internship in Philosophy (1-6) *Prerequisite:* permission of instructor and department chair. *Note:* Generally open only to seniors.

PHIL-398 Honors Project in Philosophy (3-6) *Prerequisite:* permission of department and University Honors Director.

PHIL-400 Ancient Philosophy (3) An examination of ancient Greek philosophy starting with the pre-Socratics and continuing through Plato, Aristotle, and the three major Hellenistic traditions: Epicureanism, Stoicism, and Skepticism. Meets with PHIL-600. Usually offered alternate falls (odd years). *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-401 Early Modern Philosophy (3) This course covers major philosophers from the sixteenth to the eighteenth centuries such as Descartes, Spinoza, Leibniz, Hume, and Kant. Meets with PHIL-601. Usually offered alternate springs (even years). *Prerequisite:* PHIL-105 or permission of instructor. *Note:* PHIL-400 is recommended but not required.

PHIL-402 Nineteenth Century Philosophy (3) This course covers major philosophers from the nineteenth century such as Hegel, Marx, Kierkegaard, and Nietzsche. Meets with PHIL-602. Usually offered every fall. *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-403 Twentieth Century Philosophy (3) Explores the fundamental movements of contemporary, continental Western philosophy, including existentialism, phenomenology, hermeneutics, and poststructuralism. Meets with PHIL-603. Usually offered every spring. *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-410 The Classical Period (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include the pre-Socratics, Plato, Aristotle, Neo-Platonism, and Augustine. Meets with PHIL-610. Usually offered alternate falls (even years). *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-411 Modern European Movements (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include the British empiricists, continental rationalists, Kant, Hegel, and post-Hegelian idealism. Meets with PHIL-611. Usually offered alternate springs (even years). *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-412 Recent and Contemporary Philosophers (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include Nietzsche, Kierkegaard, Husserl, naturalism, French existentialism, German existentialism, post-existential European philosophy, and analytic philosophy and phenomenology. Meets with PHIL-612. Usually offered alternate falls (odd years). *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-413 Studies in Asian Philosophy (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include Buddhist, Indian, and comparative philosophy. Meets with PHIL-613. Usually offered every spring. *Prerequisite:* one introductory course in philosophy.

PHIL-414 American Philosophy (3) This course covers classical American philosophers such as Charles Peirce, William James, and John Dewey. Alain Locke, an intellectual spokesperson for the Harlem Renaissance, and Neo-pragmatists such as Richard Rorty and Cornel West are also studied. Meets with PHIL-614. Usually offered alternate falls (odd years). *Prerequisite:* one introductory course in philosophy.

PHIL-416 Feminist Philosophy (3) Posing questions about what we can know, how we perceive, and how we experience our bodies and interactions with the world is arguably a central preoccupation of philosophy. Canonical works such as the Confessions of Augustine and Rousseau, Descartes' vivid first-person account of his quest for certainty, Merleau-Ponty's phenomenological investigation of embodied experience, and Sartre's existentialist study of "the gaze" have historically placed narrative investigation of the nature of human experience at the center of the philosophical project. One way to understand the distinctive contribution of feminist philosophers and theorists of the late twentieth century is to see that body of work as telling another side of the story, one that radically recasts conceptions of embodiment, identity, ethics, and the body politic. This course focuses on feminist approaches to enduring philosophical questions, to which is added the larger question of difference not limited to that of gender or sex. Meets with PHIL-616. Usually offered alternate springs (even years). *Prerequisite:* two courses in philosophy.

PHIL-417 Race and Philosophy (3) An introduction to the emerging area of critical race theory in philosophy. The course examines the development of "race" as an object of philosophy beginning in the early modern period, explores the way in which analysis of race has brought philosophy into public conversation, and the ways that philosophers have treated race and racism. Meets with PHIL-617. Usually offered alternate falls (odd years). *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-418 Chinese Philosophy (3) Through close readings of primary texts in three major ancient Chinese philosophical traditions, Confucianism, Taoism, and Buddhism, this course explores Chinese understandings of human nature, language, transcendentalism, politics, and ethics. Meets with PHIL-618. Usually offered alternate springs (even years). *Prerequisite:* one course in philosophy.

PHIL-419 Buddhist Philosophy (3) This course explores Buddhist philosophy of the mind, language, and ethics through a close reading of major Buddhist texts. Meets with PHIL-619. Usually offered alternate springs (odd years). *Prerequisite:* one course in philosophy.

PHIL-453 Metaphysics (3) Topics vary by section, may be repeated for credit with different topic. Course focuses on one of the following topics: mind and soul, the concept of freedom, analysis and explanation of action, and metaphysics and metaphilosophy. Meets with PHIL-653. *Prerequisite:* two courses in philosophy or permission of instructor.

PHIL-455 Philosophy of Religion (3) Leading contemporary movements in the philosophy of religion. Meets with PHIL-655. Usually offered alternate springs (even years). *Prerequisite:* one introductory course in philosophy or religion.

PHIL-480 Senior Seminar (3) This seminar provides a capstone experience for majors in philosophy. Students develop a research project, refining and demonstrating the skills they have developed as philosophy majors. Usually offered every spring. *Prerequisite:* senior philosophy majors.

PHIL-485 Selected Topics in Philosophy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including medical ethics, philosophy of language, advanced philosophical argumentation, philosophy of reason and passion, bio-ethics, and post-modernism. Usually meets with PHIL-685. Usually offered every term. *Prerequisite:* PHIL-105 or permission of instructor.

PHIL-490 Independent Study Project in Philosophy (1-6) *Prerequisite:* permission of instructor and department chair. *Note:* Generally open only to seniors.

Graduate and Advanced Undergraduate Courses

PHIL-520 Seminar on Ethical Theory (3) Survey of the development of ethical theory in Western philosophy by analysis of major works in classical and contemporary moral philosophy. Issues investigated include the nature of the good and the right, the possibility of moral knowledge, the principles of individual virtue and social justice, the problems of ethical relativism and absolutism, and the foundations of modern conceptions of human rights. Usually offered every fall. *Prerequisite:* PHIL-220 or permission of instructor.

PHIL-525 Seminar on Modern Moral Problems (3) Surveys a contemporary moral issue of the instructor's choosing and explores how philosophers have worked to understand and address this issue. Usually offered every spring. *Prerequisite:* PHIL-220 or permission of instructor.

PHIL-590 Independent Reading Course in Philosophy (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

Note: Courses at the 600 level generally meet with courses at the 400 level. Registration at the 600 level implies graduate-level assignments and higher expectations regarding performance.

PHIL-600 Ancient Philosophy (3) An examination of ancient Greek philosophy starting with the pre-Socratics and continuing through Plato, Aristotle, and the three major Hellenistic traditions: Epicureanism, Stoicism, and Skepticism. Meets with PHIL-400. Usually offered alternate falls (odd years).

PHIL-601 Early Modern Philosophy (3) This course covers major philosophers from the sixteenth to the eighteenth centuries such as Descartes, Spinoza, Leibniz, Hume, and Kant. Meets with PHIL-401. Usually offered alternate springs (even years). *Note:* PHIL-600 is recommended but not required.

PHIL-602 Nineteenth Century Philosophy (3) This course covers major philosophers from the nineteenth century such as Hegel, Marx, Kierkegaard, and Nietzsche. Meets with PHIL-402. Usually offered every fall.

PHIL-603 Twentieth Century Philosophy (3) Explores the fundamental movements of contemporary, continental Western philosophy, including existentialism, phenomenology, hermeneutics, and poststructuralism. Meets with PHIL-403. Usually offered every spring.

PHIL-610 The Classical Period (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include: the pre-Socratics, Plato, Aristotle, Neo-Platonism, and Augustine. Meets with PHIL-410. Usually offered alternate falls (even years). *Prerequisite:* PHIL-600 or permission of instructor.

PHIL-611 Modern European Movements (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include: the British empiricists, continental rationalists, Kant, Hegel, and post-Hegelian idealism. Meets with PHIL-411. Usually offered alternate springs (even years).

PHIL-612 Recent and Contemporary Philosophers (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include Nietzsche, Kierkegaard, Husserl, naturalism, French existentialism, German existentialism, post-existential European philosophy, and analytic philosophy and phenomenology. Meets with PHIL-412. Usually offered alternate falls (odd years).

PHIL-613 Studies in Asian Philosophy (3) Topics vary by section, may be repeated for credit with different topic. Regularly recurring topics include Buddhist, Indian, and comparative philosophy. Meets with PHIL-413. Usually offered every spring.

PHIL-614 American Philosophy (3) This course covers classical American philosophers such as Charles Peirce, William James, and John Dewey. Alain Locke, an intellectual spokesperson for the Harlem Renaissance, and Neo-pragmatists such as Richard Rorty and Cornel West are also studied. Meets with PHIL-414. Usually offered alternate falls (odd years).

PHIL-616 Feminist Philosophy (3) Posing questions about what we can know, how we perceive, and how we experience our bodies and interactions with the world is arguably a central preoccupation of philosophy. Canonical works such as the Confessions of Augustine and Rousseau, Descartes' vivid first-person account of his quest for certainty, Merleau-Ponty's phenomenological investigation of embodied experience, and Sartre's existentialist study of "the gaze" have historically placed narrative investigation of the nature of human experience at the center of the philosophical project. One way to understand the distinctive contribution of feminist philosophers and theorists of the late twentieth century is to see that body of work as telling another side of the story, one that radically recasts conceptions of embodiment, identity, ethics, and the body politic. This course focuses on feminist approaches to enduring philosophical questions, to which is added the larger question of difference not limited to that of gender or sex. Meets with PHIL-416. Usually offered alternate springs (even years).

PHIL-617 Race and Philosophy (3) An introduction to the emerging area of critical race theory in philosophy. The course examines the development of "race" as an object of philosophy beginning in the early modern period, explores the way in which analysis of race has brought philosophy into public conversation, and explores the ways that philosophers have treated race and racism. Meets with PHIL-417. Usually offered alternate falls (odd years).

PHIL-618 Chinese Philosophy (3) Through close readings of primary texts in three major ancient Chinese philosophical traditions, Confucianism, Taoism, and Buddhism, this course explores Chinese understandings of human nature, language, transcendentalism, politics, and ethics. Meets with PHIL-418. Usually offered alternate springs (even years). *Prerequisite:* one course in philosophy.

PHIL-619 Buddhist Philosophy (3) This course explores Buddhist philosophy of the mind, language, and ethics through a close reading of major Buddhist texts. Meets with PHIL-419. Usually offered alternate springs (odd years). *Prerequisite:* one course in philosophy.

PHIL-653 Metaphysics (3) Topics vary by section, may be repeated for credit with different topic. Course focuses on one of the following topics: mind and soul, the concept of freedom, analysis and explanation of action, and metaphysics and metaphilosophy. Meets with PHIL-453.

PHIL-655 Philosophy of Religion (3) Leading contemporary movements in the philosophy of religion. Meets with PHIL-455. Usually offered alternate springs (even years).

PHIL-685 Selected Topics in Philosophy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including: medical ethics, philosophy of language, advanced philosophical argumentation, philosophy of reason and passion, bio-ethics, and post-modernism. Usually meets with PHIL-485. Usually offered every term.

PHIL-690 Independent Study Project in Philosophy (1-6) *Prerequisite:* permission of instructor and department chair.

PHIL-691 Internship in Philosophy (1-6) *Prerequisite:* permission of instructor and department chair.

PHIL-693 Global Ethics (3) The integrative seminar for the MA in Ethics, Peace, and Global Affairs. Discusses ethics, ethical systems, and the presuppositions of international relations from a critical, cross-cultural perspective. Completion and presentation of a major integrative research paper is required. Usually offered every spring.

PHIL-702 Graduate Seminar in Philosophy (3-12) Topics vary by section, may be repeated for credit with different topic. Intensive study of selected problems under individual direction. Topics include history of philosophy, metaphysics, logic, epistemology, philosophy of science, value theory, philosophy of religion, social philosophy, and Eastern philosophy. Usually offered alternate springs (odd years).

PHIL-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* permission of department chair.

Physics

Undergraduate Courses

PHYS-100 Physics for the Modern World FA5 (4) The laws and rules that govern nature and the physical universe are beautiful yet mysterious. Physics is the science that tries to find these laws by observation, measurement, and testing of hypotheses. The course traces the development of the scientific method and work that forms the basis for studying mechanics, waves, sound, light, and electricity. Includes laboratory. Usually offered every term. *Prerequisite:* completion of the University Mathematics Requirement or concurrent enrollment in a mathematics or statistics course that has MATH-15x Finite Mathematics as a prerequisite.

PHYS-105 General Physics I FA5 (4) The first course in a rigorous, two-semester sequence in general physics, including weekly laboratory. Includes the study of motion and forces, Newton's Laws, momentum, energy, gravitation, fluids, properties of matter, and thermodynamics. *Note:* PHYS-105/205 generally satisfy minimum requirements of medical and dental schools. Usually offered every fall. *Prerequisite:* MATH-170 or equivalent.

PHYS-110 Principles of Physics I FA5 (4) The first course in a calculus-based, two-semester sequence in general physics, including weekly laboratory. Includes the study of motion and forces, Newton's Laws, momentum, energy, gravitation, fluids, properties of matter, and thermodynamics. *Note:* PHYS-110/210 generally satisfy requirements of medical and dental schools. Usually offered every fall. *Prerequisite:* MATH-221 (may be taken concurrently) or permission of instructor.

PHYS-200 Physics for a New Millennium FA5 (3) In an interactive lab/lecture environment, students have the opportunity to explore topics in electricity and magnetism, light and optics, and modern physics. Emphasis is placed on inquiry-based activities that utilize these topics as a foundation for understanding current technological advancements. Usually offered every spring. *Prerequisite:* PHYS-100 or PHYS-105 or PHYS-110.

PHYS-205 General Physics II FA5 (4) The second course in a rigorous, two-semester sequence in general physics, including weekly laboratory. Includes the study of waves, sound, light and optics, fields, electricity and magnetism, circuits, and other topics in modern physics. *Note:* PHYS-105/205 generally satisfy minimum requirements of medical and dental schools. Usually offered every spring. *Prerequisite:* PHYS-105 or PHYS-110, or permission of instructor.

PHYS-210 Principles of Physics II FA5 (4) The first course in a calculus-based, two-semester sequence in general physics, including weekly laboratory. Includes the study of waves, sound, light and optics, fields, electricity and magnetism, circuits, and other topics in modern physics. *Note:* PHYS-110/210 generally satisfy requirements of medical and dental schools. Usually offered every spring. *Prerequisite:* MATH-221 and PHYS-110, or permission of instructor.

PHYS-220 Astronomy FA5 (3) Theories of the formation of the universe, its structure and evolution over time. Stars, planets, and galaxies are born and change over the years; supernovae, neutron stars, pulsars, black holes, quasars, and solar systems are formed. Usually offered every term.

450 Course Descriptions

PHYS-230 Changing Views of the Universe FA2 (3) Study of science as a tradition that shaped and was shaped by the Western world. This is a course about science—how scientific thought, practice, and culture developed. It explores changing concepts in the physical sciences from their earliest roots to modern times, and discusses the interaction between the physical sciences and other aspects of society. Usually offered every term.

PHYS-300 Acoustics (3) Properties of sound, speech and music, reflection and diffraction. Open-air theaters, sound-absorptive materials and special constructions, and principles of room acoustics and design. Noise control, reduction of air-borne and solid-borne noise, and control of noise in ventilating systems, sound-amplification systems, and auditoriums. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-205 or PHYS-210, or PHYS-200 and MATH-221 or MATH-211, or permission of instructor.

PHYS-310 Electronics (4) Fundamentals of basic analog electronic components and circuits, including weekly laboratory. Components examined include: resistors, capacitors, inductors, rectifiers, transformers, triodes, and transistors. Quantities examined include: voltage, resistance, current, inductance, capacitance, reactance, and impedance. Circuit analysis involves application of Ohm's Law and Kirchhoff's rules. Circuits include: DC, AC, tuned, rectifier, and simple amplifying circuits. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-205 or PHYS-210, or PHYS-200 and MATH-221 or MATH-211, or permission of instructor.

PHYS-331 Modern Physics (3) Electrons, protons, and structure of matter: a historic view. The Rutherford-Bohr atom and elements of quantum mechanics and their applications to atomic, nuclear, and solid state physics. Usually offered every fall. *Prerequisite:* PHYS-200, PHYS-205, or PHYS-210, and MATH-222 (may be taken concurrently), or permission of instructor.

PHYS-351 Waves and Optics (3) The physics of waves is required to understand sound, light, and electronic information transfer. Starting with resonance phenomena, Fourier analysis, and basic wave equations, the course builds to an understanding of acoustics and optics. Laboratory activities are integrated into lectures. Usually offered every spring. *Prerequisite:* PHYS-200, PHYS-205, or PHYS-210, and MATH-222, or permission of instructor.

PHYS-360 Astrophysics (3) A study of the interiors, atmosphere, and life cycle of the sun and other stars. The course includes methods for quantifying stellar characteristics, radiative transfer, fundamental stellar timescales, thermonuclear reactions, and evolutionary models. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-331 or permission of instructor.

PHYS-380 Mathematical and Computational Physics (3) Introduces mathematical methods that are regularly used in upper-level physics courses, including linear algebra and eigenvalue problems, applications of multivariate and vector calculus, ordinary and partial differential equations, among others, and applies these to a variety of physics problems. Mathematica or MatLab software is taught and used in the course. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-200, PHYS-205, or PHYS-210, and MATH-313 (may be taken concurrently).

PHYS-390 Independent Reading Course in Physics (1-6) *Prerequisite:* permission of instructor and department chair.

PHYS-430 Classical Mechanics (3) Vector analysis. Newton's laws and dynamics of particles. Harmonic oscillator. Conservative systems. Gravitational forces and potential. Central fields and the motions of planets and satellites. Relativity. Elements of mathematical physics. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-351 and MATH-321 (may be taken concurrently).

PHYS-440 Experimental Physics (3) Lectures and laboratory with selected experiments to accompany advanced courses in mechanics, electricity and magnetism, acoustics, optics, and modern physics. Students plan and complete experiments that fit their background and previous training. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-331 and PHYS-351, or permission of instructor.

PHYS-450 Electricity and Magnetism (3) Electrostatics, potential theory, magnetic fields, Faraday and Ampere's laws, dielectric magnetic media, and Maxwell's equations. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-380 or PHYS-430, or permission of instructor.

PHYS-460 Statistical Mechanics (3) An introduction to thermodynamics and statistical mechanics, the areas of physics that provide general frameworks for understanding how the macroscopic behaviors of matter and energy emerge from the microscopic properties of atoms, molecules, and other elementary particles or degrees of freedom. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-351 and MATH-313.

PHYS-470 Introduction to Quantum Mechanics (3) Wave mechanics, Schroedinger equation, potential barriers and potential wells, harmonic oscillator, operators, eigenfunctions, eigenvalues, degeneracies, angular momentum, hydrogen atom. Usually offered every three semesters; see Physics Department website. *Prerequisite:* PHYS-380 or PHYS-430, or permission of instructor.

PHYS-480 Physics Capstone Seminar (3) Weekly research seminars include discussion of or lectures on physics research methods or research-related topics, and development of research skills, including the use of important scientific software and research tools. Students develop a capstone research project and associated goals, write a substantial research thesis, present a professional research talk, and maintain a research notebook. Usually offered every fall. *Prerequisite:* permission of department.

PHYS-490 Independent Study Project in Physics (1-6) *Prerequisite:* permission of instructor and department chair.

PHYS-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

Professional Science Master's

Graduate Courses

PSM-601 The Science of Science Writing (3) Science and medical writing requires grounding in a wide variety of disciplines and the ability to communicate with and through others. This course covers the fundamentals of science writing and communication, with an emphasis on overcoming the obstacles of effective science communication, as well as topics such as communicating risk, tailoring messages for children and other special populations, being persuasive, and constructing maximally effective messages for large lay audiences. Students gain an appreciation of how we generate, interpret, and work on information, as well as build skills necessary for successful careers in science/medical communication. Usually offered every fall. May be taken A-F only.

PSM-620 Regulatory Science for Medical Product Development (3) Provides students with an understanding of the regulatory framework governing medical product development and the science used to approve medical products in the United States. Emphasis is placed on the requirements and science for monitoring medical product safety and efficacy in the post-market environment. The role of medical product regulation in the context of global product development is also addressed. Usually offered every spring. May be taken A-F only.

Psychology

Undergraduate Courses

PSYC-105 Psychology: Understanding Human Behavior FA4 (3) Survey of the social bases of behavior and the individual foundations of group and social behavior. This course emphasizes the concepts and methodologies of psychology in such areas as social development, personality, social psychology, and abnormal behavior, as well as the interaction between the individual and social institutions. Usually offered every term.

PSYC-115 Psychology as a Natural Science FA5 (3) Through lectures and discussion, students are introduced to the many experimental questions addressed in psychology, e.g., environmental and genetic factors in behavior, biological bases of behavior, sensations and perception, conditioning and learning, memory and cognition, and drug use and abuse, as well as to the specific methods used in psychological research and the general research approaches used in science. Usually offered every term. *Prerequisite:* completion of the University Mathematics Requirement or concurrent enrollment in a mathematics or statistics course that has MATH-15x Finite Mathematics as a prerequisite. *Co-requisite:* PSYC-116.

PSYC-116 Psychology as a Natural Science Lab FA5 (1) Through laboratory experiments and simulations, students are exposed to the various techniques, procedures, designs used in the study of behavior. Usually offered every term. *Prerequisite:* completion of the University Mathematics Requirement or concurrent enrollment in a mathematics or statistics course that has MATH-15x Finite Mathematics as a prerequisite. *Co-requisite:* PSYC-115.

PSYC-200 Behavior Principles FA5 (3) The experimental analysis of behavior (EAOB) systematically relates a behavior's probability to its consequences (reinforcement and punishment). Principles derived from the EAOB are used to explain simple animal learning, stimulus control, behavioral sequences and patterning, verbal and other complex human behavior, and emotion. Issues raised by a behavioral approach to human conduct are discussed. Usually offered every term.

PSYC-205 Social Psychology FA4 (3) The processes of social thinking, such as the attribution of causality and the relation of attitudes to behavior; social influence, such as conformity, obedience, and persuasion; and social relations, including aggression, altruism, prejudice, and attraction. Focus on the individual in social settings. Research methods are emphasized. Usually offered every term.

PSYC-215 Abnormal Psychology and Society FA4 (3) Focuses on behavior labeled as abnormal by society. Abnormal behavior as a function of the individual's interaction with social institutions (family, school, legal system, mental-health system, etc.). Introduction to the major concepts, theories, and issues of abnormal psychology. Usually offered every term.

PSYC-220 The Senses FA5 (3) An introductory discussion of why things appear as they do. Investigation of our perceptual experiences—their origins, refinements, interpretations, and applications. Discussion of scientific theory and research on the senses. Usually offered every term. *Prerequisite:* 100-level General Education Foundational Area 5 course.

PSYC-235 Theories of Personality FA4 (3) Students explore and critically compare four major approaches to understanding uniqueness in human behavior, emotion, and thought: holistic, dynamic, learning, and trait/biological. Class debates, exercises, and a paper help students use these theories to understand their own and others' personalities. Usually offered every term. *Prerequisite:* PSYC-105.

PSYC-240 Drugs and Behavior FA5 (3) This introduction to psychoactive drugs and their effects includes an overview of general physiology, neurochemistry, and pharmacology as well as a survey of the basic physiological, pharmacological, and behavioral effects of drugs. The course focuses on the etiology of drug use and the factors involved in, and consequences of, drug abuse, addiction and dependence. Critical evaluation of research methodology in drug assessment is stressed. Usually offered every term. *Prerequisite:* 100-level General Education Foundational Area 5 course.

PSYC-300 Memory and Cognition (3) This course provides an overview of the so-called higher mental processes such as attention, perception, language, and thinking, with a special emphasis on memory. The approach is behavioral rather than physiological. Both empirical research and theoretical frameworks are discussed, along with current issues of interest. Usually offered every spring. *Prerequisite:* PSYC-115 or permission of instructor.

PSYC-301 Research Methods in Psychology (3) An introduction to the basic tools of research used by psychologists. Includes principles of the scientific method, experimental and correlational research, single-subject research, validity and reliability of measurements, ethical issues, and research reporting. Usually offered every term. *Prerequisite:* PSYC-115 and STAT-202.

452 Course Descriptions

PSYC-310 Introduction to Forensic Psychology (3) Psychologists who work effectively with the legal system combine an understanding of the law with pertinent clinical information to communicate psychological findings in the adjudicative setting. This course focuses on the practice of forensic psychology with an emphasis on the relationship between law and behavioral sciences. Usually offered every spring. *Prerequisite:* PSYC-105.

PSYC-315 Self-Management (3) Principles of cognitive-behavioral self-control for achievement of personal goals. Self-management research is reviewed in weight loss, studying, self-esteem, giving up smoking, drug addiction, depression, time management, and enjoying oneself. Students conduct self-modification projects in group settings. *Prerequisite:* PSYC-105.

PSYC-318 Fundamentals of Human Neuropsychology (3) Concerned primarily with the structure, organization, and function of the human brain and the manner in which it produces thoughts, feelings, movement, perceptions, language, and memories. Explores normal brain functioning as well as neurological disorders. Of particular value to students interested in cognition, psychopathology, neurology/medicine, and linguistics. Usually offered alternate falls (even years). *Prerequisite:* PSYC-115 or permission of instructor.

PSYC-320 Women and Mental Health (3) This course focuses on women's functioning. Includes theories of the personality of women, common adjustment problems faced by women, and emotional problems prevalent in women. Usually offered alternate springs. *Prerequisite:* PSYC-105.

PSYC-325 Neurobiological Bases of Behavior (3) Introduction to the biological bases of behavior. Includes basic neurophysiology (activation of neurons and communication among cells); the basic organization of the nervous system; the role of the brain in receiving stimuli; and the neurobiology of motivated behavior, learning, and behavior disorders. Usually offered alternate falls. *Prerequisite:* PSYC-115 or permission of instructor.

PSYC-333 Health Psychology (3) An exploration of how psychological theories and techniques can minimize unnecessary morbidity and premature mortality. Behavioral, cognitive, and affective targets for primary and secondary prevention efforts are identified from epidemiological theory and research. Ways in which psychological methods can contribute to provision of outpatient and inpatient medical services. Usually offered every fall. *Prerequisite:* PSYC-105.

PSYC-335 Psychology of Religion (3) Classic and contemporary views of religion from a psychological perspective. Review of research methodologies as well as major theorists including Freud, Jung, James, Rizzuto, Erikson, Otto, Girgensohn, Allport, Fromm, and Maslow. Usually offered alternate springs.

PSYC-345 Community Psychology (3) This course introduces the principles, approaches, and guiding concepts of community psychology, including attention to diversity, action research, prevention, and citizen participation. Community psychology seeks to understand the interrelationship between individual well-being and multiple ecological levels of influence, from families and neighborhoods, to economic conditions and mass media. Community psychologists study these relationships to develop, implement, and evaluate interventions that address pressing problems in our society, including youth violence, HIV/AIDS, and educational disparities. Students apply and expand their learning of key concepts through service in community-based organizations. Usually offered every fall. *Prerequisite:* one introductory and two additional psychology courses.

PSYC-350 Child Psychology (3) Introduction to development from infancy through adolescence. Emphasis on theory and research in normal development: genetics, growth, and maturation; sensation and perception; motivation; cognitive and social functioning. Usually offered every term. *Prerequisite:* PSYC-105 or PSYC-115 or permission of instructor.

PSYC-360 The Evolution of Behavior (3) Approaches to the study of animal and human behavior with emphasis on the explanation of these behaviors in light of ecology and evolution. Includes aggression, language, sex differences, intelligence, development, learning, and instinct. Usually offered every spring. *Prerequisite:* PSYC-115 or PSYC-105 or permission of instructor.

PSYC-370 Learning and Behavior (3) Research and theory in animal learning. Covers classical and instrumental conditioning. Ethology and biological constraints on learning. Usually offered alternate falls. *Prerequisite:* PSYC-115 or permission of instructor.

PSYC-390 Independent Reading Course in Psychology (1-6) *Prerequisite:* permission of instructor and department chair.

PSYC-420 Adolescent Psychology (3) Study of adolescence as a period of transition. Includes research and theory on hormonal, emotional, social, and cognitive development in adolescence. The influence of peer pressure, need for self-individuation, and problems of adolescence are also considered. Usually offered alternate springs. *Prerequisite:* PSYC-105.

PSYC-425 Psychology of Eating Disorders and Obesity (3) The study of theory, research, diagnosis and treatment as it pertains to nutrition, dieting, exercise, body image, obesity, anorexia nervosa and bulimia nervosa. Usually offered alternate springs. *Prerequisite:* PSYC-105 or PSYC-115.

PSYC-430 Human Sexual Behavior (3) Basic physiological knowledge, sex education, sexual myths, premarital and marital sexual behavior, homosexuality, pornography, etc. Emphasis on psychological aspects of sex and sexuality. Usually offered every fall.

PSYC-433 Research Design and Methods: Social Science Psychology Research (4) Introduces basic principles of psychological measurement and research design. Explains methods of identifying and developing reliable and valid psychological tests and behavioral observation systems. Reviews experimental and correlational research designs, as applied to social science areas of psychology (e.g. psychotherapy outcome research). Usually offered every term. *Prerequisite:* permission of instructor.

PSYC-440 Social Psychological Approaches to Clinical Issues

(3) Examines applications of social psychology to clinical psychology. Includes using social psychology to understand disorders such as depression; applying social psychology to treatment issues, such as persuading people to remain in therapy; and considering diagnosis as a problem in social cognition. Usually offered alternate springs (even years). *Prerequisite:* PSYC-205 or permission of instructor.

PSYC-450 Psychology of Well-Being (3) An overview of the theory, research, and applications in the psychology of well-being. Includes self-esteem, relationships and intimacy, competence and achievement, crisis and loss, and meaning and values in life. Usually offered every spring. *Prerequisite:* PSYC-105 or PSYC-115.

PSYC-470 Introduction to Clinical Psychology (3) The focus is on two major activities of clinical psychologists: assessment and clinical intervention (psychotherapy and program models). Also includes the functions, history, training, and ethics of the profession. Usually offered alternate falls. *Prerequisite:* PSYC-105 or PSYC-115, and either PSYC-215 or PSYC-230.

PSYC-480 Research Design and Methods: Experimental Psychology (4) Data and research methods in core areas of psychology. Review of experimental design. Individual and group experiments. Usually offered alternate springs. *Prerequisite:* permission of instructor.

PSYC-490 Independent Study Project in Psychology (1-6)

Prerequisite: permission of instructor.

PSYC-491 Internship (1-3) Practical experience in a professional setting in the metropolitan area for advanced psychology majors. *Prerequisite:* permission of instructor and department chair.

PSYC-497 Topics in Psychology (3) Topics vary by section, may be repeated for credit with different topic. Each section is an intensive course in a specialized area of psychology, such as community psychology, social and clinical judgement, and psychology of infancy. Usually offered every term. *Prerequisite:* three psychology courses, junior standing and permission of instructor.

PSYC-498 Senior Thesis Seminar (3) May be repeated for credit. Students participate in research under the supervision of individual faculty (which should be arranged before enrolling). The proposal, analysis, and conclusions of this research are discussed among other students as well as with departmental faculty. Honors students are required to take two semesters. Usually offered every term. *Prerequisite:* permission of instructor.

Graduate and Advanced Undergraduate Courses

PSYC-501 Physiological Psychology (3) Anatomical and physiological substrata of behavior. Usually offered alternate springs. *Prerequisite:* two psychology courses, and junior or graduate standing.

PSYC-502 History and Systems of Psychology (3) Philosophical and scientific background of modern psychology and contemporary problems of theory construction. Usually offered alternate falls.

PSYC-505 Advanced Personality Psychology (3) Examines contemporary research in personality psychology, focusing on expectancies, motivation, self-concept, and genetic and environmental influences on personality development. Gender and cultural issues are considered, as are applications of personality psychology in the study of mental and physical health. Usually offered alternate springs. *Prerequisite:* graduate standing or permission of instructor.

PSYC-510 Advanced Forensic Psychology (3) This course expands on topics covered in PSYC-310 Introduction to Forensic Psychology and is organized around reading primary sources in important areas of forensic psychology including torture, predatory sexual behaviors, bullying, and battering, among others. Students gain an in-depth exposure to and increased understanding of Axis II, Cluster B personality disorders, as described in the DSM-IV, and have extensive exposure to the most scientific research on these phenomena. *Prerequisite:* PSYC-310. Usually offered every spring.

PSYC-513 Neuropharmacology: The Biochemistry of Behavior (3) Following an overview of central nervous system physiology, this class gives a detailed examination of the range of neurotransmitters involved in neural communication and modulation. Each neurotransmitter is described in the context of its biochemistry, distribution, pharmacology, and involvement in both normal and abnormal behavior. Usually offered alternate springs (even years). *Prerequisite:* graduate standing or permission of instructor.

PSYC-514 Industrial/Organizational Psychology (3) Application of psychological principles to the field of work. Includes selection, training, evaluation, leadership, motivation, decision making, job attitudes and satisfaction, organizational structure and theory, and human factors. Usually offered every fall. *Prerequisite:* two psychology courses and one statistics course.

PSYC-515 Psychology of Music (3) This course focuses on how we process music in general, both at micro and macro levels. The course explores neural, perceptual, cognitive, as well as social and clinical aspects of both listening to and performing music. Topics discussed include the workings of the brain, comparisons with language, memory for music, development of musicality, individual differences, performance anxiety, and music therapy. Meets with PERF-515. *Prerequisite:* three psychology courses, and theoretical or practical music experience.

PSYC-518 Advanced Human Neuropsychology (3) Explores the empirical, anatomical, and theoretical aspects of clinical and cognitive human neuropsychology. Includes object and face recognition; spatial perception; voluntary action; language (oral, writing, and reading comprehension, word and sentence processing, speech production); problem-solving and calculation; memory; and dysfunctions (i.e., agnosias, apraxias, amnesias, and aphasias) illustrated with clinical case studies. Usually offered alternate springs (odd years). *Prerequisite:* permission of instructor.

PSYC-521 Ethnic and Minority Issues in Psychology (3) A review of ethnic and minority issues as they relate to testing, psychotherapy, research, and other aspects of scientific and professional psychology. Usually offered alternate falls. *Prerequisite:* graduate standing or permission of instructor.

PSYC-522 Stress, Coping, and Emotion (3) This course introduces students to the theory, methods, and applications of stress and coping research, while allowing them to understand and manage their own experiences of stress. Reading assignments and lectures address the nature of psychological stress, its relation to appraisals, coping, and emotion, and the specific methodological challenges of studying stress and coping. It includes models of stress responses, personality, gender, and culture. Personal growth, stress and health, depression, and clinical interventions are also discussed. Usually offered alternate springs. *Prerequisite:* graduate standing or permission of instructor.

PSYC-530 Conditioning and Learning (3) Advanced treatment of the basic principles, theory, and experimental literature of contemporary operant and Pavlovian conditioning. The reinforcement variables responsible for the acquisition and maintenance of the stimulus control of behavior and incentive-motivation are studied. These variables are central to understanding changes in behavior resulting from past experience. The emphasis is on basic principles and research in this area, although practical applications, such as animal models of drug abuse, are also discussed. Usually offered alternate springs. *Prerequisite:* PSYC-200 or PSYC-370 or graduate standing.

PSYC-533 Cognitive Behavior Therapy (3) This seminar examines critically the cognitive revolution in behavior therapy. We review the theoretical basis, clinical procedures, and empirical status of several major forms of cognitive behavior therapy, which share the premise that maladaptive thinking is at the core of psychological distress. Usually offered alternate springs. *Prerequisite:* graduate standing or permission of instructor.

PSYC-540 Advanced Social Psychology (3) Psychological factors in human social behavior. Examination of research literature with emphasis on design and methodology. Theoretical problems in social behavior and current trends in experimentation. Usually offered alternate springs. *Prerequisite:* graduate standing or permission of instructor.

PSYC-545 Psychology of Sex Similarities and Differences (3) Examines the ways that the behavior of males and females are comparable by examining the psychological literature to understand what biological and social-cultural factors influence these behaviors. Considers what conclusions can be drawn from the existing data and what types of research should be done to further knowledge of gender issues. Usually offered alternate springs. *Prerequisite:* graduate standing or permission of instructor.

PSYC-550 Psychological Research (3) An in-depth examination of experimental design and methods of conducting research in clinical, social, experimental, and bio-psychology. Usually offered every fall. *Prerequisite:* graduate standing.

PSYC-551 Psychopathology: Theory and Research (3) Case-study seminar on psychopathological behavior. Focus on symptoms and syndromes from conflict/stress-defense model. Usually offered every spring. *Prerequisite:* graduate standing or permission of instructor.

PSYC-555 Improving Human Services (3) To measure, monitor, and maximize the effectiveness and cost-effectiveness of mental health treatment, substance abuse programs, and other human services, concrete strategies are presented for collecting, analyzing, presenting and using data on resources, procedures, processes, and outcomes. Readings are augmented with case studies and findings from evaluations by the faculty and students. Usually offered every spring. *Prerequisite:* PSYC-105 and STAT-202, or graduate standing, or permission of instructor.

PSYC-560 Advanced Developmental Psychology (3) Current theoretical and research issues in child psychology. Areas of emphasis include socialization, affective development, and cognitive development. Students, from their readings and discussion, critically analyze existing data and formulate questions for further investigation. Usually offered alternate falls. *Prerequisite:* graduate standing or permission of instructor.

PSYC-568 Alternative Medicine (3) This course explores the art and science of alternative (also known as integrative, complementary, or holistic) medicine. It investigates the scientific, cultural, and spiritual dimensions of healing, including scientific research as well as historical and global healing traditions. The modern perspective of mind-body-spirit healing is considered in context with specific alternative therapies, including acupuncture, meditation, herbal and homeopathic medicine, bio-energy healing, psychotherapy, nutrition, chiropractic, and more. Usually offered every spring. *Prerequisite:* graduate standing or permission of instructor.

PSYC-575 Advanced Memory and Cognition (3) After a short review of the field in general, this course focuses on specific issues, both theoretical and applied. Areas covered include attention, perception, language, and thinking. Usually offered every spring. *Prerequisite:* graduate standing or permission of instructor.

PSYC-590 Independent Reading Course in Psychology (1-6) *Prerequisite:* permission of instructor and department chair.

PSYC-597 Topics in Psychology (3) Topics vary by section, may be repeated for credit with different topic. Each section is an intensive course in a specialized area of psychology. Usually offered every term. *Prerequisite:* permission of instructor.

PSYC-598 Seminar in Behavior, Cognition, and Neuroscience (3) Topics vary by section, may be repeated for credit with different topic. Examination of neuroscience issues through articles, texts, and group discussion. The course extends the foundations established in the core curriculum and demonstrates their application to cutting edge research. Usually offered every term. *Prerequisite:* graduate standing or permission of instructor.

Graduate Courses

PSYC-618 Principles of Neuropsychological Assessment (3) Introduces theoretical and empirical principles of neuropsychological assessment. Emphasis on developing skills of behavioral and cognitive observation coupled with an understanding of the underlying functional organization of the human nervous system. Students study representative tests and, in the laboratory and/or in supervised clinical settings, practice their administration, scoring, and interpretation. *Prerequisite:* PSYC-518, PSYC-633 and permission of instructor.

PSYC-630 Psychotherapy: Theory, Research, and Practice (3)

A survey of research literature relevant to the therapist, the client, the relationship and process of psychotherapy. Major theoretical orientations and techniques are reviewed. Usually offered every fall.

PSYC-633 Psychological Assessment I (3) Introduces students to basic principles of psychological assessment. Emphasizes conceptual issues much more than practical applications, though substantive psychological research is used to illustrate the concepts. Helps students learn how to critically evaluate, and contribute to, knowledge regarding measurement of psychological functioning. Usually offered every fall.

PSYC-652 Assessment of Intellectual Function and Personality (3) Introduction to administration and interpretation of WAIS-III, MMPI-II, and Structured Clinical Interview for DSM-IV. Also includes integration across tests, holistic case conceptualization, and report writing. Usually offered every fall. *Prerequisite:* PSYC-551, PSYC-633, and permission of instructor.

PSYC-653 Advanced Assessment: Projective Personality (3) Review of the Rorschach, TAT, and other projective tests. Integration and interpretation of projective tests in conjunction with interview and intelligence data and other testing. Includes report writing and hands-on assessment experience. Usually offered alternate springs. *Prerequisite:* PSYC-633 and PSYC-652, or permission of instructor.

PSYC-654 Advanced Assessment: Integrative Battery (3) This advanced testing course builds on PSYC-633 and PSYC-652. Students are trained to administer batteries of tests, score them, and write reports that integrate the findings from the tests. Usually offered alternate springs. *Prerequisite:* PSYC-633 and PSYC-652, or permission of instructor.

PSYC-670 Behavioral Medicine (3) Acquaints students with psychological theory, research, and practical techniques for maintaining health, preventing dysfunctions, and remediating health problems. Includes cognitive-behavioral techniques for cardiovascular risk reduction (smoking, obesity, stress, diet), exercise enhancement, time management, adherence to medical regimens, and problems with nervous, respiratory, gastrointestinal, and musculoskeletal systems. *Prerequisite:* admission to graduate program in psychology or health fitness management.

PSYC-680 Experiential Psychotherapy Practicum I (3) Interviewing techniques and practice in skills related to counseling psychotherapy by systematic exposure to critical elements in interviews through supervision and guided observation. Usually offered every fall. May be taken pass/fail only. *Prerequisite:* permission of instructor.

PSYC-681 Experiential Psychotherapy Practicum II (3) Continuation of PSYC-680. Usually offered every spring. May be taken pass/fail only. *Prerequisite:* permission of instructor.

PSYC-690 Independent Study Project in Psychology (1-6) *Prerequisite:* permission of instructor and department chair.

PSYC-691 Internships (1-6) *Prerequisite:* permission of instructor and department chair.

PSYC-698 Directed Research (3-6) May be repeated for credit. May not be used in place of PSYC-796, PSYC-797, or PSYC-799. Usually offered every term.

PSYC-710 Cognitive-Behavior Therapy Practicum I (3) Review of behavior therapy and cognitive-behavioral techniques. Supervision and co-therapy in application of techniques. Usually offered every fall. May be taken pass/fail only. *Prerequisite:* admission to clinical psychology doctoral program.

PSYC-711 Cognitive-Behavior Therapy Practicum II (3) Review of behavior therapy and cognitive-behavioral techniques. Supervision and co-therapy in application of techniques. Usually offered every spring. May be taken pass/fail only. *Prerequisite:* admission to clinical psychology doctoral program.

PSYC-715 Supervision and Consultation (1) An overview of common models of supervision and consultation in psychology with an emphasis on the evidence-based variables contributing to effective supervision and consulting relationships. The course explores the difference between supervisor and supervisee and consultant and consultee while emphasizing awareness of ethical issues and reasoning. Usually offered alternate springs.

PSYC-791 Psychodynamic Psychotherapy Practicum I (3) Usually offered every fall. May be taken pass/fail only. *Prerequisite:* permission of instructor.

PSYC-792 Psychodynamic Psychotherapy Practicum II (3) Usually offered every spring. May be taken pass/fail only. *Prerequisite:* permission of instructor.

PSYC-796 Master's Thesis Seminar (3) May be taken pass/fail only.

PSYC-797 Master's Thesis Research (1-3) May be taken SP/UP only. *Prerequisite:* PSYC-796.

PSYC-799 Doctoral Dissertation Research (1-9)

PSYC-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

PSYC-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Public Administration

Undergraduate Courses

PUAD-260 Administrative Politics (3) An introduction to American public administration and the executive branch of government. Emphasis on the politics of administration and on the relationship of the bureaucracy with clientele groups, Congress, the White House, and the public. Usually offered once a year.

PUAD-343 Introduction to Public Administration and Governance (3) An introduction to the theory and practice of organizing the modern state and achieving public policies. The course examines the evolution of the modern administrative state, together with the organizational theories that characterize and influence its development. Usually offered every spring.

Graduate and Advanced Undergraduate Courses

PUAD-590 Independent Reading Course in Public Administration (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

PUAD-010 Introduction to Experiential Education and the Learning Community (0) An introduction to the concepts and practices of experiential education. The group learning process is used to acquaint students with the core learning philosophy of the MSOD program and to support students in maximizing learning in "Learning Community Time" and in a cohort setting *Note:* Required orientation for MSOD program. No credit given toward degree requirement. May be taken pass/fail only. *Prerequisite:* admission to MSOD program.

PUAD-089 Colloquium in Public Administration and Policy (0) This course consists primarily of research presentations by PhD students, departmental faculty, and external scholars on a variety of topics in public administration and public policy. It also includes professional development sessions on publication, teaching, and job market strategies. Usually offered every term. May be taken pass/fail only. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-601 Quantitative Methods for Policy Analysis I (3) This course applies descriptive statistics and statistical inference methods to policy analysis. Includes measures of central tendency and dispersion, hypothesis testing, confidence intervals, and bivariate regression. Usually offered every fall.

PUAD-602 Quantitative Methods for Policy Analysis II (3) This course applies regression analysis techniques to policy analysis. The course focuses on understanding the linear regression model as well as limitations of this model. Usually offered every spring. *Prerequisite:* PUAD-601.

PUAD-603 Policy Process (3) An introduction to the policy process, especially as it takes place in the U.S. political system. Various theoretical approaches and models for the study of agenda setting, policy adoption, implementation, and evaluation are reviewed and applied, along with an examination of the legal and constitutional context. Usually offered every term.

PUAD-604 Public Program Evaluation (3) Introduction to the elements of policy and program analysis. Normative criteria for program evaluation; systematic strategies for assessing and measuring the effects of program elements and policy changes; and logic and limitations. Usually offered every term. *Prerequisite:* PUAD-602.

PUAD-605 Quantitative Methods for Public Managers (3) Prepares students to understand and use standard statistical techniques and interpret statistical analyses in order to enhance managerial and policy decisions. Usually offered every term.

PUAD-606 Foundations of Policy Analysis (3) This gateway course for the Master of Public Policy (MPP) program introduces students to the scope, methods, issues, and evolution of policy studies. Students learn and apply various frameworks for approaching the enterprise of policy analysis, become familiar with the logic and applicability of analytical techniques, and gain an appreciation for the ethical issue, values, and context of government policy. Usually offered every term.

PUAD-607 Economics and Politics of Public Policy (3) Applies basic normative and positive theories of public policy to specific policy areas, including social welfare and regulatory policies. Includes environmental policy, education, welfare, health care, EEO and discrimination, transportation, cable TV, and drug policy, depending on student interests. Usually offered every spring. *Prerequisite:* PUAD-606 or PUAD-630.

PUAD-608 Comparative Administrative Systems (3) A comparative examination of governmental administrative and policymaking institutions in the context of national and international economic and political systems. The emphasis is on the impact of these institutions and systems on policies and programs in developed and developing nations. Usually offered every spring.

PUAD-609 Topics in Public Management (3) Topics vary by section, may be repeated for credit with different topic. The transformation of law and public policy into operational activities and its administrative challenges. Topics offered include the new public management; privatization and contracting out; performance management; cross-cultural administration; the management of "wicked" public policies; and traditional and non-conventional tools for delivering public services. Usually offered every term.

PUAD-610 Management Analysis (3) This capstone course tests students' abilities to integrate, synthesize, and apply Master of Public Administration (MPA) course work to significant public management challenges. Students complete a capstone project and write an essay reflecting on the relationship between the MPA program and their professional development. Usually offered every term. *Prerequisite:* completion of all MPA core courses.

PUAD-611 Managing in the Information Age (3) The use of information technology in public service organizations. Includes basic concepts and terminology, government and non-profit applications, the systems approach to organizational processes, database concepts, web-engineering, decision support, user involvement, methodologies for developing operating systems, and future trends. Usually offered every fall.

PUAD-612 Introduction to Public Administration and the Policy Process (3) This gateway course for the Master of Public Administration (MPA) program introduces students to the evolution of public administration as a profession, discipline, and career. Emphasized are the managerial, political, legal and constitutional, ethical, informational, and technical contexts of public administration, as well as the challenges these afford public administrators confronting contemporary issues. Usually offered every term.

PUAD-613 Global Governance and Public Policy (3) Considers what it means to govern and to create and carry out public policy at the global level. The course examines institutions with international scope such as the World Bank; the UN system and international NGOs; and policy issues with cross-national dimensions such as climate change; trade, and human rights. Usually offered every spring.

PUAD-614 Development Management (3) The problems of administering public programs in developing countries and the methods by which development projects are carried out. For foreign students who will be returning to developing countries as well as for Americans interested in international administration. Usually offered every fall and summer.

PUAD-615 Public-Private Partnerships (3) The provision of public services takes place through a variety of forms, including nonprofit organizations and business firms. This course examines the political, managerial, legal, financial, and ethical issues involved in utilizing non-governmental organizations for the delivery of public services, including the processes for deciding when to involve them and how to monitor their performance. Usually offered every spring.

PUAD-616 Legal Basis of Public Administration (3) The judicial and legislative oversight of public service managers; administrative procedures and rule making; managerial liability; legal requirements of administrative systems; public employment and labor law; merit system law; international human rights law; constitutional constraints on public service managers; and standards of ethics based in the law. Usually offered every fall and summer.

PUAD-617 Project Management (3) Fundamental concepts of project management for carrying out discrete operations in government agencies, non-profit organizations, or private sector organizations providing public services. Project design, planning, scheduling, systems engineering, cost estimation, innovation, and processes for conducting high-risk operations in risk-averse environments. Usually offered every term.

PUAD-618 Management Workshop (1-3) Topics vary by section, may be repeated for credit with different topic. Provides practical instruction in specific skills for implementing programs in the public sector and non-profit management, including auditing; management of volunteers; workplace diversity; government contracting; and effective communication. Usually offered every summer.

PUAD-619 Ethical Issues in Public Policy (3) Consideration of the ethical issues that arise in the formation and implementation of public policy. Includes the use of ethical standards as a guide to public policy making, how they differ from other approaches to decision making, and analysis of specific ethical controversies and challenges. Usually offered every spring.

PUAD-620 Public Marketing and Strategic Communication (1.5) Principles of marketing and strategic communication used by government agencies to identify features of government performance relevant to citizens; market government services; bring about changes in citizen behavior; and enhance the image of government agencies. The conceptual and theoretical framework for developing communication campaigns aimed at advancing public policy. Also includes marketing techniques such as focus groups and surveys to identify the causes of social behavior as well as citizen preferences and needs. Usually offered every spring. *Prerequisite:* admission to Executive MPA program.

PUAD-621 Topics in Executive Management (1.5) Topics vary by section, may be repeated for credit with different topic. Topics include developments in areas such as planning, organizing, staffing, information technology, program implementation, executive management and leadership, and international administration. Usually offered every term. *Prerequisite:* admission to Executive MPA program.

PUAD-622 Leadership for Executives (3) By focusing on the leadership skills of class members, this course is designed to sharpen the capabilities of executives to lead and manage others. Students examine their own managerial style, methods of communication, techniques of motivation, delegation of work, and approaches to group leadership. Class exercises are used to illustrate research findings from the behavioral sciences. Usually offered every fall. *Prerequisite:* admission to Executive MPA program.

PUAD-623 Executive Problem Solving (3) In this course key executives study the methods for gathering and analyzing information in ways that lead toward more effective and accurate decisions. Specific techniques for analyzing public policies and evaluating agency performance are examined. During this course each key executive develops a prospectus for analyzing a program or activity within his or her own agency. Usually offered every summer. *Prerequisite:* admission to Executive MPA program.

PUAD-624 Budgeting and Financial Management (3) The use of the executive budget as a device for management planning and control is the focus of this course on public financial management. Key executives develop their skills in understanding different budgetary systems, the elements of budget review and execution, and various strategies and tactics employed by participants in the budgetary process. Usually offered every fall. *Prerequisite:* admission to Executive MPA program.

PUAD-625 Analysis and Evaluation (3) The broad set of research activities essential for designing, implementing, and appraising the usefulness of government programs. Students assess the effectiveness and efficiency of innovative initiatives, as well as programs already in place, and gain skills critical in implementing the Government Performance and Results Act. Usually offered every term. *Prerequisite:* admission to Executive MPA program.

PUAD-626 Legal Issues in Public Administration (3) This course deals with the legal basis of government authority and the ways in which legal processes authorize yet limit executive action. Using statute and case law, key executives study the delegation of legislative power, rule-making, administrative appeals, and judicial review. Attention is focused on the legal issues in which key executives are most likely to become involved. Usually offered every spring. *Prerequisite:* admission to Executive MPA program.

PUAD-627 Politics, Policymaking, and Public Administration (3) Key executives examine the relationship of the legislative process, congressional oversight, and EOP/OMB review and approval to the administration of government policy. They study response to pressure groups, clientele groups, and the general public. Executives also address their relationship to political executives, the political basis of government organization, and the difficulties of interagency coordination. Usually offered every fall. *Prerequisite:* admission to Executive MPA program.

PUAD-628 Executive Skill Modules (1.5) Topics vary by section, may be repeated for credit with different topic. Participation in this program sequence is designed to improve the practical skills that top-level executives use on their jobs. Among the modules available to participants are computer literacy for executives, executive speaking, effective writing, and executive health and fitness. Usually offered every fall and summer. *Prerequisite:* admission to Executive MPA program.

PUAD-629 Symposium on Executive Management (2) This course focuses on the integration of the public executive role with the work of the organization from the macro, or institutional, perspective. As the capstone course, it focuses on the perspectives of executive management effectiveness that emerge from the four Key Executive Program study tracks. Usually offered every spring. *Prerequisite:* admission to Executive MPA program.

PUAD-630 Public Managerial Economics (3) This course introduces students to the concepts managers need to become informed consumers of microeconomics-based policy analysis, including resource scarcity; opportunity cost; supply and demand; consumer and producer surplus; market equilibrium; competitive markets; economic efficiency; market failure; intended and unintended consequences of policy interventions; efficiency; equity; and cost-benefit principles. Usually offered every term.

PUAD-631 Financing Government Services (3) May be repeated for credit with different topic (taxation or expenditure analysis). The practice of public finance and expenditure analysis. Taxation examines revenue instruments and their administration, as well as general principles of public finance. Expenditure analysis focuses on public sector expenditures and the demand for government services in areas such as education, transportation, infrastructure, public safety, health, and social support. Usually offered every term. *Prerequisite:* PUAD-630 or PUAD-670.

PUAD-633 Budgeting and Financial Management (3) Public sector budgeting and budgetary processes, including budget execution and control; cost estimation; capital financing and debt management; performance budgeting; cost-benefit analysis; basic government accounting; and financial statements. Usually offered every term.

PUAD-634 Acquisition Management (1.5-3) Provides students with the requisite understanding to exercise leverage in both the award and administration phases of the acquisition cycle. How to influence outcomes that further programmatic goals in support of public policy objectives. Basic rules, regulations, laws, and directives and ethical considerations are covered with respect to both competitive and sole source acquisitions. Usually offered every term. *Note:* 3-credit offering requires more in-depth study and provides for more class contact time. *Prerequisite:* admission to Executive MPA program.

PUAD-636 Strategic Fiscal Planning (3) How to analyze the financial health of state and local governments and other public organizations and develop remedies for financial problems. Financial condition is related to expenditure, revenue, and borrowing decisions; the economic base and needs of the community; capital markets; public employees; and the overall economic system. Offered irregularly. *Note:* a course in financial management is recommended.

PUAD-637 Public Managerial Macroeconomics (3) An introduction to macroeconomic theory and applications as a basis for understanding the financial environment of public management. Basic models for short- and long-run forecasting of revenue and expenditures. The business cycle and political theories for explaining fiscal patterns at the federal, state, and local levels. Credit markets, interest rates, and debt management. Offered irregularly. *Prerequisite:* PUAD-630 or equivalent.

PUAD-638 Strategic Human Resource Management for Executives (1.5) How executives exercise discretion in the application of human resource policy to enhance organizational effectiveness. Subjects covered include labor/management relations, merit-based staffing, performance management, employee selection, EEO, employee relations, and other workplace issues. Usually offered every spring. *Prerequisite:* admission to Executive MPA program.

PUAD-639 Ethics for Public Managers (1.5) Explores ethical philosophy and its implications for executive action and decision making. Includes conceptions of the public trust, conflicting interests, ends and means, deception, personal integrity, work place civility, and the need for government to keep its promises. Using case studies, students examine the ethical implications of alternative courses of action. Usually offered every spring. *Prerequisite:* admission to Executive MPA program.

PUAD-640 Leadership (3) This course deals with significant theories of leadership and human motivation that have shaped current applications in human resources. Emphasis is on those aspects of humanistic psychology most applicable to individual and group behavior in management. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-641 Applied Research Methods (3) Using cases, exercises, and drills this course establishes the essential role of research methods in the professional practice of Organization Development and change. The course equips students with competencies in qualitative and quantitative methodologies for data collection, techniques for analysis and interpretation, and capabilities to present analytic output in reports. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-642 Organization Theory and Diagnosis (3) This course introduces a broad range of research and theory about organizations and applies these to the task of understanding and diagnosing of organization dynamics. Through cases, lecture and experiential activities, the curriculum builds capability to address such factors and forces as organizational goals, structures, politics, power, culture, environments, and mindsets. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-644 Implementing System Change (3) This course immerses students in models and methods of full-scale organization development interventions, emphasizing design, management, and assessment of transformative change. Students participate in dialogues with executives and organization development change professionals, live cases, and fieldwork with transformative system change. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-646 Consultation and Coaching Theory and Skills (3) This course focuses on the theory and practice of consultation and coaching in organization development and change. Topics include roles and skills for change practitioners (internal/external consultant, manager, leader); process consultation; stages and tasks of the organization development consulting cycle; and an introduction to knowledge and skills for effective coaching of individuals and teams. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-648 Methods and Models of Change (3) This course examines major models and methods used in organization development and change. Topics include action research, process consultation, and team building; social construction, positive organizational studies and appreciative inquiry; large group and systems interventions; complexity sciences and self-organizing principles; organization discourse and dialogic interventions. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-649 Studies in Human Resource Management (1-3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including consultation in international settings; use of self in professional practice; conflict resolution; diversity and cultural competence. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-650 Leadership in a Changing Workplace (3) Students develop their leadership style and capacity. Includes supervision, motivation, team-building, group dynamics, communication skills, conflict resolution, effective work relationships, employee development, and diversity. Usually offered every spring and summer.

PUAD-652 Facilitation and Team Development (3) Strategies from the behavioral sciences that are used to improve the effectiveness of individuals, teams, and organizations. Includes data collection and feedback, group process observation, team building, conflict management, and professional issues. Usually offered every fall and summer.

PUAD-654 Organization Diagnosis and Change (3) Alternative theories and methods of intervention designed to bring about effective organization change. Students develop skills by applying theories and models to organization cases. Usually offered every spring.

PUAD-655 Managing Labor Management Relations (3) Understanding the rules governing labor management relations in the public sector in order to make lawful strategic and tactical decisions. Applying the rules to create and manage labor management relationships that maximize government productivity, public satisfaction, and employee fulfillment. Usually offered every spring.

PUAD-656 Managing Diversity (3) Focuses on the challenges managers face as they learn to work creatively and effectively with a diverse, multicultural workforce. The dimensions of diversity and people who are different, and the ways to become a more innovative and appropriate manager of difference are examined and explored. Offered irregularly.

PUAD-658 Managing Conflict (3) This course addresses the dynamics of conflict in organizations at three levels: interpersonal, work group, and inter-group. The origins, manifestation, and evolution of conflict in organizations are examined. Classes intersperse experiential activities with discussions of cases and theory. Participants develop skills, knowledge, strategies, and self-awareness to use in diagnosing and managing conflicts at work. Offered irregularly.

PUAD-659 Action Learning for Executives (1-3) Action learning is a group and leadership process that solves organizational problems in real time. This course provides students with the knowledge and skills to understand the theory and practice of action learning and prepare a proposal to conduct an action learning project for the executive MPA comprehensive examination. Usually offered every term. *Prerequisite:* admission to Executive MPA program.

PUAD-665 Managing Human Capital Assets (3) Policies and managerial processes for human capital including staffing, human resource development, classification, performance appraisal, equal employment opportunity, and labor-management relations. Usually offered alternate falls.

PUAD-670 Economics for Policy Analysis (3) This course covers microeconomic tools for policy analysts, including resource scarcity, opportunity cost, theory of the consumer, theory of the firm, consumer, and producer surplus, market equilibrium, allocative and productive efficiency, welfare economics, market failure, intended and unintended consequences of policy interventions, efficiency versus equity, and cost-benefit analysis. Usually offered every term.

PUAD-671 Cost Benefit Analysis (3) Course on the theory and practice of applied welfare economics for evaluating private, non-profit, and public projects from a public interest standpoint. Development and illustration of cost benefit analysis concepts, techniques, methods, and criteria through applications to a wide range of public policy issues such as economic development, infrastructure, social, and environmental projects. Integrated use of spreadsheet modeling framework to quantify benefits and costs, and to facilitate sensitivity and risk analysis. Usually offered every spring. *Prerequisite:* PUAD-630 or PUAD-670.

PUAD-674 Practicum in Organization Development and Change (1-1.5) May be repeated for credit. This course is a multi-month field-based organization development and change project developed and implemented by each student, supervised by a practicum adviser. In successive modules, students focus on framing a client engagement and front-end consultation skills; progress review and planning for project completion and development of the practicum report; and presentation of results. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-675 Organization Analysis and Strategy (3) This course expands knowledge of administrative fundamentals, executive roles, and the centrality of strategy in organization development and change. Using simulations, lectures, fieldwork, guest speakers, strategic analysis and cases, the course focuses on using organization development techniques in strategy development and implementation to move a system toward its desired future. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-677 Introduction to Organization Development and Change (3) This course provides an overview of the Organization Development approach to change in human systems. Topics include foundational and emerging theories and theorists; core concepts, tools, and practices; ethics and values; use of this knowledge in multiple roles (consultant, manager, change agent); leadership and organization development; and adult learning theory. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-679 Studies in Human Resource Development (1-3)

Topics vary by section, may be repeated for credit with different topic. Rotating topics, including labor relations for human resource development; organizational diagnosis and intervention for human resource development; personnel administration for human resource development; and institute on group and personal interaction for human resource development. Usually offered every term. *Prerequisite:* admission to MSOD program.

PUAD-681 Managing Nonprofit Organizations (3) The application of management theories and practices in nonprofit organizations. Establishment and sustainability of nonprofit organizations, strategic management principles, organizational structures and processes, multiple funding sources and their impact on budget decisions, staff/board relationships, human resource practices, use of volunteers, accountability systems, and methods for determining organizational effectiveness. Usually offered every spring.

PUAD-682 Nonprofit Resource Development (3) Nonprofit organizations support themselves through many different sources, including charitable gifts and grants, government grants and contracts, earned income from fees, memberships and sponsorships, returns on investments, volunteer labor, gifts-in-kind, and other sources. They also mix these sources of income in many different ways. This course illuminates the theoretical rationales and practical considerations involved in developing and utilizing particular sources of income and in selecting appropriate combinations or portfolios, so that nonprofit organizations can effectively advance their particular missions, sustain the infrastructure of their organizations, remain financially healthy, and manage risk, change and growth. Usually offered every fall.

PUAD-683 Marketing for Nonprofit Organizations (3) This course covers the principles of planning; execution, and assessment of strategic marketing in nonprofit organizations. Students learn how to incorporate marketing activities into organizational structures; understand target audience characteristics and desires; develop and launch new offerings; achieve effective market segmentation; positioning; and branding; identify various elements of the marketing mix (product; price; place; and promotion); and evaluate effectiveness of marketing initiatives. Students also read and present research articles; discuss case studies; interact with guest speakers; and prepare a marketing plan for a nonprofit organization. Usually offered every fall.

PUAD-684 Organizational Analysis (3) This course examines concepts and theories that explain organizations and organizational behavior including factors such as the nature of the political environment, organizational structure, staffing, information management, and budgetary constraints. The impact of these factors is explored in the context of policy development and implementation. Usually offered every term.

PUAD-685 Topics in Policy Analysis and Management (1-3)

Topics vary by section, may be repeated for credit with different topic. Examination of the doctrines associated with the design and implementation of public policies, together with conducting analytical studies on various policies, including social, health care, national security, environmental, science and technology, regulatory, income, and economic. Usually offered every spring.

PUAD-687 Urban Management (3) Council-manager relationships, work force staffing and development, the budget and community goals, ethical issues, management control, and external and regional effectiveness. Offered irregularly.

PUAD-688 Policy Practicum (3) This course affords students exposure to the institutional, legal, and ethic dimensions of policy analysis in organizational settings. Students perform a policy analysis project for a client. Usually offered every term.

PUAD-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

PUAD-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

PUAD-693 AU-Hertie School of Governance Exchange, Berlin (1-9) Topics vary by section, may be repeated for credit with different topic. The course provides an opportunity for students to study abroad at the Hertie School of Governance in Berlin, Germany. Usually offered every term. *Note:* consult Department of Public Administration and Policy (DPAP).

PUAD-710 Proseminar in Public Administration (3) This course provides students with a deep understanding of the intellectual history of public administration in the United States. It analyzes the development of public administrative thought by assessing the substance, impact, and historical context of many of the classic works in the field. Usually offered every fall. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-712 Seminar in Public Administration and Democratic Constitutionalism (3) This course focuses on the incorporation of democratic constitutional theory, values, and processes into U.S. public administration since the 1940s. It covers the constitutional dimensions of the separation of powers, federalism, and individual rights; administrative law; and representative bureaucracy, with emphasis on classic and integrative literature. Usually offered alternate falls. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-714 Seminar in Organization Theory (3) This course covers traditional and modern theories of organizations and their utility in explaining public administrative behavior. It includes structural, cultural, decision, political, and reliability theories and how each applies to public-sector organizations. Usually offered alternate falls. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-716 Seminar in Organizational Behavior (3) This course examines individual behavior in behavior in public-sector organizations. It explores the exploration of the intellectual roots of organizational behavioral scholarship, particularly in the areas of organizational processes and structure, motivation, leadership, communication, and interpersonal and team building skills. Emphasis is placed on application to public-sector organizations. Usually offered alternate springs. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-718 Seminar in Public Management (3) This course covers public management and governance, including the tradition of management in the field of public administration, its evolution, and its contemporary character. The influence of New Public Management (NPM) and related strategies, such as performance management, contracting, privatization, outsourcing, and network management are examined. Usually offered alternate springs. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-730 Proseminar in Public Policy (3) This course is an overview of the public policy field. It examines literature in three disciplines: neo-classical economics, political science, and public choice. Each disciplinary perspective is used to analyze the institutions most directly involved in policy formation (voters, interest groups, and congress) and implementation (Congress and the bureaucracy). Usually offered alternate springs. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-732 Seminar in Policy Implementation (3) This course covers the evolution of research and theory-building in policy implementation. Emphasis is placed on the theories, frameworks, and methodological challenges facing researchers in the field. Usually offered alternate springs. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-734 Seminar in Policy Processes and Institutions (3) This course is an introduction to the theories of public policy making, with an emphasis on the institutions that shape the policy process in the U.S. context. Emphasis is placed on theories and methods for research on agenda setting, policy adoption, implementation, and evaluation. Usually offered alternate falls. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-740 Seminar in Public Sector Budgeting (3) The focus of this course is budgeting, the primary resource allocation process (on the expenditure side) of the public sector. It considers budgeting theory, format, the relationship between and roles of actors, and budgeting as a mechanism of control, management, and planning. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-742 Seminar in Applied Public Finance: Expenditure (3) This course focuses on the expenditure side of public sector resource allocation systems. Attention is directed toward the need and demand for public services, the execution of public policy objectives, and the spatial structure of governance and its implications for meeting diverse national, regional, and sub-regional public needs and preferences. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-744 Seminar in Applied Public Finance: Revenue Systems (3) This course focuses on the revenue side of public sector resource allocation systems. It includes revenue instruments and their administration, general principles of public finance/economics, and the behavioral response of the population to specific elements of the revenue system. *Prerequisite:* admission to PhD program or permission of instructor.

PUAD-790 Doctoral Independent Study in Public Administration and Policy (1-6) *Prerequisite:* permission of instructor and department chair.

PUAD-799 Doctoral Dissertation Seminar (1-12)

PUAD-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

PUAD-899 Doctoral Dissertation May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

Public Health

Undergraduate Courses

PUBH-110 Introduction to Public Health FA4 (3) This introductory course explores the science behind public health and the role government plays to keep the population healthy. The determinants of health and disease are discussed along with interventions such as the healthcare system, public health system, laws, and taxation that address these public health issues. Usually offered every fall.

PUBH-111 Public Health Scholars Lab (1) Public Health Scholars (3-year program) students apply theories learned in PUBH-110 to actual field situations. As a group they engage in a community service project at a public health organization in Washington, DC. *Prerequisite:* admission to Public Health Scholars program and concurrent registration in PUBH-110.

PUBH-320 Introduction to Infectious Disease (4) This course introduces the principles of infectious disease, including the natural history of common microbes, etiology of globally prevalent infectious diseases, and how the immune system fights disease-causing organisms. Mechanisms to prevent and treat infectious diseases are also discussed through the lens of public health. Usually offered every fall. *Prerequisite:* BIO-110.

PUBH-340 Fundamentals of Epidemiology (3) Epidemiology is the study of the patterns and determinants of disease in populations. This course introduces epidemiological methods including study design, calculation, and interpretation of measures of frequency, association, and public health impact. Sources of study error including the influence of chance, bias, confounding, and effect modification are discussed. Concepts of surveillance and screening are also introduced. Usually offered every fall. *Prerequisite:* PUBH-110 and STAT-202.

PUBH-391 Internship in Public Health (3) *Prerequisite:* permission of instructor and program director.

PUBH-480 Public Health Capstone (3) This seminar challenges public health majors to examine the multiple aspects of public health in a unifying manner. The course includes discussion of the practical application of public health and guest speakers. Students with different interests in public health work together on a capstone project and present it to the class and a panel of public health professionals. Usually offered every spring. *Prerequisite:* senior public health major.

Business: Real Estate

Undergraduate Courses

REAL-390 Independent Reading Course in Real Estate (1-3) *Prerequisite:* permission of instructor and department chair.

REAL-391 Internship in Real Estate (1-6) *Prerequisite:* permission of instructor and department chair.

REAL-490 Independent Study Project in Real Estate (1-3) *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses**REAL-590 Independent Study Project in Real Estate (1-6)**

Prerequisite: permission of instructor and department chair.

Graduate Courses

REAL-685 Topics in Real Estate (1.5-3) Topics vary by section, may be repeated for credit with different topic. Rotating topics of special interest in real estate and related interdisciplinary topics.

REAL-690 Independent Study Project in Real Estate (1.5-3)

Prerequisite: permission of instructor and department chair.

REAL-691 Internship in Real Estate (1-6) *Prerequisite:* permission of instructor and department chair.

REAL-730 Real Estate Principles and Investment (3) This course provides a comprehensive overview of fundamental real estate principles and the laws and economic factors that impact real estate markets. Focusing on critical real estate concepts, tools, and practices, the course is relevant for students seeking to acquire a real estate license or improve their real estate management skills. Includes legal descriptions of real estate; estates, encumbrances, liens, and homesteads; agency and contracts; real estate mathematics and finance; lenders, appraisal, escrow, and title insurance; leases and the landlord-tenant relationship; urban economics and planning; taxation; and careers in real estate.

REAL-731 Real Property and Asset Management (3) A study of the managing of income producing properties as individual investments and as part of a larger real estate portfolio. For individual properties, long-term decisions regarding capital expenditures, refinancing, conversion and disposition, along with day-to-day decisions regarding leasing and marketing are discussed. Strategic decisions regarding the structure of an investor's real asset portfolio are also addressed.

REAL-734 Real Estate Development (3) The first part of this course examines real estate development, including the pricing and assembly of land and focusing on carrying out a real estate development project. The second considers secondary mortgage markets including securitization, with emphasis on the current state of secondary mortgage markets.

REAL-735 Real Estate Transactions and Contracts (3) This course focuses on the legal aspects of residential and commercial real estate transactions. Legal elements and concepts associated with real estate contracts, leases, title policies, and loan agreements are analyzed, and foreclosure and bankruptcy issues are discussed. The course also examines laws associated with the use, transfer, purchase, and sale of real property.

REAL-736 Urban Planning and Sustainability (3) This interactive course provides the basics for reading design and construction drawings and teaches the skills necessary for understanding current thoughts about urban planning in a sustainable environment. Students learn the economic, social, and political components critical to urban planning. Good urban planning concepts, including the demands of the real estate market, are discussed. Students become familiar with the greening of building codes and zoning requirements both locally and nationally. An overview of the Leadership in Energy and Environmental Design (LEED) rating system is discussed with emphasis on LEED-Neighborhood Development, including smart location, neighborhood pattern and design, and green infrastructure. Students research and visit on-go-

ing sustainable real estate projects in the Washington, DC metropolitan region.

REAL-737 Real Estate Finance and Mortgage Markets (3)

This course explores real estate finance and quantitative methods that are used in the valuation of real estate. Students develop an understanding of real estate financing and valuation as well as related topics such as underwriting, risk analysis, and financial leverage. In addition, students learn about the mortgage market including a review of the government-sponsored enterprises (GSEs) including Fannie Mae and Freddie Mac, and the securitization process for residential and commercial mortgages. The course also includes analysis of both residential and commercial real estate markets.

Religion

Undergraduate Courses

RELG-105 The Religious Heritage of the West FA2 (3) The contribution of religion to Western civilization. The eastern Mediterranean roots of Western religions, the emergence of Christianity in the Greco-Roman world, and the rise of Islam. The mature religious synthesis of Medieval Europe. Modern secularism's challenge to this tradition. Usually offered every term.

RELG-170 Introduction to the New Testament (3) Literary, historical, and theological study of the New Testament. Particular attention to Jesus, Paul, and the development of the Christian movement. Usually offered alternate falls.

RELG-185 Forms of the Sacred: Religions of the East FA3 (3)

Introduces methods of studying religion and places religious traditions in comparative relief. Surveys the basic features of the major religions of Asia, including Hinduism, Taoism, and Confucianism, and explores how these traditions shape Asian cultures and societies. Usually offered every term.

RELG-210 Non-Western Religious Traditions FA3 (3) How non-Western religious traditions function as systems of symbols, how they interact with both indigenous religious traditions and external religious traditions such as Islam and Christianity, and how they respond to modernization and imperialism. Usually offered every term.

RELG-220 Religious Thought FA2 (3) Religion and religion's role in life. Beginning with modern approaches to the study of religion, this course examines religious ways of defining the human situation, the quest for salvation, wholeness, and transcendence, and the problem of speaking about the divine within the terms of modern culture. Usually offered every spring.

RELG-330 Approaches to Studying Religion (3) This course covers classical and contemporary approaches to the study of religion that are grounded in the disciplines of anthropology, psychology, sociology, history, and literary criticism. Usually offered every fall.

RELG-390 Independent Reading Course in Religion (1-6)

Prerequisite: permission of instructor and department chair. *Note:* Generally open only to seniors.

RELG-391 Internship in Religious Studies (1-6) *Prerequisite:* permission of instructor and department chair.

RELG-398 Honors Project in Religion (3-6) *Prerequisite:* permission of department chair and university honors director.

RELG-470 Islam (3) Hundreds of millions of people adhere to Islam, sometimes described as the world's fastest growing religion. Students examine historical origins, Prophet Muhammad, Qur'an, and other formative elements underlying the modern Muslim situation. Meets with RELG-670. Usually offered every fall.

RELG-471 Topics in Jewish Religion (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics on the chief religious themes of Judaism, major Jewish religious thinkers of the past such as Rashi or other rabbinical scholars; or issues such as the role of mysticism in Judaism. Meets with RELG-671. Usually offered every spring.

RELG-472 Religion in America (3) A survey of America's religions beginning with Christianity and Judaism and continuing through contemporary developments of Islam and Buddhism. The course also examines Native American religions, Puritanism, Mormonism, Catholicism, AME, Seventh Day Adventism, and Freemasonry. Field trips to sites in Washington, D.C. Meets with RELG-672. Usually offered every fall.

RELG-473 Hinduism (3) This course focuses on four phases in the development of Hinduism. Central to the study of each phase are close readings of selections from its main mythological and philosophical texts, which are considered in light of lived religious practices. Meets with RELG-673. Usually offered alternate springs (even years).

RELG-475 Religion and Violence (3) This course explores the religious dimensions, both ideological and cultural, of political and military conflict. Themes include sacred geography and literature as grounds for bloodshed; the sanctity of race; martyrdom/terrorism; and pacifism. Empirical data is drawn from Germany, Lithuania, the Middle East, and the Balkans. Meets with RELG-675. Usually offered every spring.

RELG-486 Topics in Religious Discussion (3) Topics vary by section, may be repeated for credit with different topic. Examination of important problems, thinkers, and issues in classical and contemporary religious thought. Topics include liberation theology, religion in the African Diaspora, Hispanic spiritual traditions, and spirit possession and trance. Meets with RELG-686.

RELG-490 Independent Study Project in Religion (1-6) *Prerequisite:* permission of instructor and department chair. *Note:* Generally open only to seniors.

Graduate and Advanced Undergraduate Courses

RELG-590 Independent Reading Course in Religion (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

Note: Courses at the 600 level generally meet with courses at the 400 level. Registration at the 600 level implies graduate-level assignments and higher expectations regarding performance.

RELG-670 Islam (3) Hundreds of millions of people adhere to Islam, sometimes described as the world's fastest growing religion. Students examine historical origins, Prophet Muhammad, Qur'an, and other formative elements underlying the modern Muslim situation. Meets with RELG-470. Usually offered every fall.

RELG-671 Topics in Jewish Religion (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics on the chief religious themes of Judaism, major Jewish religious thinkers of the past such as Rashi or other rabbinical scholars; or issues such as the role of mysticism in Judaism. Meets with RELG-471. Usually offered every spring.

RELG-672 Religion in America (3) A survey of America's religions beginning with Christianity and Judaism and continuing through contemporary developments of Islam and Buddhism. The course also examines Native American religions, Puritanism, Mormonism, Catholicism, AME, Seventh Day Adventism, and Freemasonry. Field trips to sites in Washington, D.C. Meets with RELG-472. Usually offered every fall.

RELG-673 Hinduism (3) This course focuses on four phases in the development of Hinduism. Central to the study of each phase are close readings of selections from its main mythological and philosophical texts, which are considered in light of lived religious practices. Meets with RELG-473. Usually offered alternate springs (even years).

RELG-675 Religion and Violence (3) This course explores the religious dimensions, both ideological and cultural, of political and military conflict. Themes include sacred geography and literature as grounds for bloodshed; the sanctity of race; martyrdom/terrorism; and pacifism. Empirical data is drawn from Germany, Lithuania, the Middle East, and the Balkans. Meets with RELG-475. Usually offered every spring.

RELG-686 Topics in Religious Discussion (3) Topics vary by section, may be repeated for credit with different topic. Examination of important problems, thinkers, and issues in classical and contemporary religious thought. Topics have included liberation theology, religion in the African Diaspora, Hispanic spiritual traditions, and spirit possession and trance. Meets with RELG-486.

RELG-690 Independent Study Project in Religion (1-6) *Prerequisite:* permission of instructor and department chair.

Study Abroad

Undergraduate Courses

SABD-102 French Grammar and Phonetics (9) Beginning French grammar and phonetics course offered through the AU Abroad program in Paris. For students with no prior study of French, this course covers elementary grammar and composition.

SABD-103 Paris Semester (French) (1-9) A variety of courses taught in French offered through the AU Abroad program in Paris.

SABD-202 French Grammar and Phonetics (9) Elementary-level French grammar and phonetics course offered through the AU Abroad program in Paris. This course gives students strong foundation in French language speaking, writing, and grammar.

SABD-302 French Grammar and Phonetics (9) Intermediate-level French grammar and phonetics course offered through the AU Abroad program in Paris. This course increases students' knowledge of complex grammatical structures, helps students to write in French in order to comment on current issues or relate personal experiences, and improves overall comprehension and speaking.

SABD-303 Paris Semester (French) (1-9) A variety of courses taught in French offered through the AU Abroad program in Paris.

SABD-304 Paris Semester (English) (1-9) A variety of courses taught in English offered through the AU Abroad program in Paris.

SABD-391 Study Abroad: Internship (1-6) *Prerequisite:* permission of instructor and dean or director.

SABD-402 French Grammar and Phonetics (9) Advanced-level French grammar and phonetics course offered through the AU Abroad program in Paris. In this course students' grasp of French grammar is reinforced and enriched with exercises designed to challenge their knowledge. Emphasis is on oral comprehension, both through speaking and understanding.

SABD-404 Paris Semester (English) (1-9) A variety of courses taught in English offered through the AU Abroad program in Paris.

SABD-490 Study Abroad: Independent Study (3-6) *Prerequisite:* permission of instructor and dean or director.

SABD-415 Summer Study Abroad Through American University's AU Abroad program students have summer internship and other study abroad program opportunities in various locations in Europe.

SABD-416 Summer Language Immersion Through American University's AU Abroad program students have the opportunity to enroll in summer language immersion courses at selected foreign universities in Canada, Mexico, Europe, and Asia.

SABD-490 Study Abroad: Independent Study *Prerequisite:* permission of instructor and dean or director.

International Service Undergraduate

Undergraduate Courses

SISU-050 SIS Mentorship Program (0) This course introduces first-year SIS students to the school, to Washington, DC, and to career opportunities. Open only to SIS students. May be taken pass/fail only.

SISU-105 World Politics FA3 (3) Patterns of conflict and cooperation in a rapidly-changing world. The primary focus is on concepts and theories which provide a framework for analyzing and understanding contemporary issues. The course examines the behavior of states and other international actors, seeks to explain foreign policies, and identifies the main characteristics of interaction among states. Usually offered every term. May be taken A-F only.

SISU-106 First Year Seminar (3) Topics vary by section, not repeatable for credit. This seminar course introduces first year SIS students to critical issues in world affairs. May be taken A-F only. *Prerequisite:* first-year SIS students with permission of SIS Undergraduate Advising Office.

SISU-140 Cross-Cultural Communication FA3 (3) Examines the impact of culture on communication, perception, thought patterns, values, and beliefs in order to better understand the behavior of individuals within different societies. Specific concerns include the dynamics of verbal and nonverbal communication; the relationship between dominant cultures and subcultures; ethnic, racial, class and other forms of diversity within countries and organizations; third-culture and multicultural persons; and the dynamics of cross-cultural adjustment. Usually offered every term. May be taken A-F only.

SISU-206 Introduction to International Relations Research (3) Introduction to scientific method, data gathering, research design, statistical analysis, and computer applications for international relations and comparative studies research. The course is designed for the beginning student and employs a hands-on approach. The course also develops the analytical skills students need as active consumers of research findings. Applications are geared to research projects to be encountered in subsequent SIS courses. Usually offered every term. May be taken A-F only.

SISU-210 Peace, Global Security, and Conflict Resolution (3) This course explores the central concepts of peace and conflict resolution, important theories of causes of conflict and applications of conflict resolution in difficult global contexts. It compares definitions of peace, explores types of conflict, and analyzes conflict from multiple perspectives, which range from individual-level theories of aggression and human nature to inter-group theories of identity and mobilization. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-211 Civilizations of Africa FA3 (3) By concentrating on African societies and states, ancient and modern, the course aims to create a greater understanding of, and empathy with, the Africans: the diversity, history, culture, accomplishments, and problems of the people and their continent; and the interaction of their culture with Islam and the West. Usually offered every term. May be taken A-F only.

SISU-212 China, Japan and the United States FA3 (3) A multidisciplinary introduction to China and Japan that explores the history, culture, social structure, literature, art, politics, economics, and foreign relations of these important countries. Particular attention is paid to the context of East Asian international relations. Usually offered every term. May be taken A-F only.

SISU-213 Contemporary Europe (3) This course examines the major political, economic, and social issues shaping contemporary Europe. The first portion of the course covers the concepts and theoretical approaches that make up the analytical toolkit for understanding and analyzing European politics. The second part covers the overarching themes of European politics, including state formation, governments and institutions, political parties and elections, welfare state development and reform, and European integration. The final segment consists of country and issue case studies as opportunities to apply the theoretical, methodological, and analytical tools, and looks at lessons that can be learned from the diverse ways European societies have answered the basic questions of economic, social, and political organization confronting all societies. May be taken A-F only.

SISU-214 Contemporary Latin America (3) Major political, social, and economic change in Latin America, its foundations, factors accelerating and impeding it, and prospects and trends. Usually offered every term. May be taken A-F only.

SISU-215 Contemporary Middle East (3) The Middle East's contemporary political culture and its historical, economic, geographic, and social roots, with special attention to the Arab world. Usually offered every term. May be taken A-F only.

SISU-216 Contemporary Russia (3) Russia's contemporary political culture and its historical, economic, geographic, and social roots. Usually offered every fall. May be taken A-F only.

SISU-220 International Political Economy (3) Economic competitiveness is a major contemporary issue, not only for the major powers, but also for newly industrializing countries and for developing nations. The forces affecting international competition and competitiveness are discussed through an examination of both domestic issues (debt, deficit, innovation, trade, education) and international issues, both political and economic. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-230 Analysis of United States Foreign Policy (3) This course examines the history of U.S. foreign relations, the institutions and politics involved in the formulation and implementation of U.S. foreign policy (e.g., the role of the president, the national security bureaucracy, the Congress, and public opinion), U.S. relations with select countries and regions, and selected contemporary policy issues. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-240 International Development (3) This survey course covers the history of the field of international development from colonialism to current issues. It addresses major theories of development; changing approaches to foreign aid; measures of development; reasons for poverty; structural adjustment and debt; the rise of East Asia; and a variety of current issues in international development. The focus is on understanding and analyzing contending viewpoints. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-250 Environmental Sustainability and Global Health (3) This course introduces students to the three basic areas of population studies, fertility, mortality, and migration, by focusing on how these areas have been politicized by various actors at different points in time all over the world. Students learn about how demographers measure and assess trends in fertility, mortality, and migration, and then use this knowledge to evaluate contentious claims made by concerned actors regarding politicized topics, including policies related to fertility, cases of genocide around the world, and legal and illegal immigration. Students gain a firm background in population studies that can be applied to future research in a wide variety of areas. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-260 Identity, Race, Gender, and Culture (3) Explores the complex and dynamic configuration of identity based on race, ethnicity, gender, nationalism, and religion as they relate to specific cultures, globalization, and social discourse. Usually offered every spring. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-270 Introduction to Human Rights (3) This course provides a broad overview of international human rights, beginning with an exploration of the philosophical and political foundations and then turning to the main principles of international human rights law and policy. The course also provides a solid grounding in the main United Nations and regional systems for human rights protection and promotion. In addition, students are introduced to the methodology of human rights fact-finding, including interview techniques and planning investigations. Throughout the course, students are encouraged to think as both advocates and critics, and to explore whether and how they could make a productive contribution to this dynamic field. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-280 International Organizations (3) Institutions of international politics, with emphasis on the nature and functions of international organization. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-105.

SISU-300 Introduction to International Economics (3) Introduction to international trade and finance and open economy macroeconomics. Includes why countries trade, trade policies and their effects, the balance of payments, foreign exchange markets, and fixed and flexible exchange rates. May be taken A-F only. *Prerequisite:* ECON-100 and ECON-200.

SISU-310 Topics in Peace, Global Security, and Conflict Resolution (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including peace and social justice, international security, causes of war, and human and global security. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210.

SISU-312 Governance, Development, and Security in Asia (3) This course compares economic development strategies of the East Asian developmental states (Japan, Taiwan, South Korea and Singapore) and the more recent export-led growth models of Malaysia, China, and Vietnam. All cases have in common strong government intervention in their economies and strong export promotion policies. The differences in global economic conditions have led scholars to assert that the developmental state model is no longer viable. This course investigates what created the economic miracles of China and Vietnam, and earlier Malaysia, and whether the basic principles of the developmental state model still apply; is state intervention obsolete, possible, or necessary in the twenty-first century global economy. The class then contrasts the East and Southeast Asian models with India, an emerging economy and one that in the past was seen as a failed developmental state, and concludes by trying to find lessons with wider applicability for developing countries. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210.

SISU-313 Transatlantic Security (3) This course examines the evolution of trans-Atlantic security policy and defense planning. It begins with a review of the formation of NATO and of trans-Atlantic defense policy and military force planning through the Cold War to the breakup of the Soviet Union. The course then focuses in some detail on the transformation that trans-Atlantic security relations have undergone, in particular the shift of NATO's focus from defense of European territory to expeditionary operations outside its boundaries and the European Union's assuming a strong role in defense planning. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210.

SISU-316 United States-Russian/Eurasian Security Relations (3) Addresses the relations between the United States and Russia, the Soviet Union and its successor states, focusing on the security aspects of those relations. The course primarily covers the evolution of security relations from the Bolshevik Revolution to the present. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210.

SISU-318 Topics in Global Security and Foreign Policy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on global security and foreign policy. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210 or SISU-230.

SISU-319 Arab-Israeli Relations (3) A survey of Arab-Israeli relations from their origins to the present. Includes an account of Zionism and Palestinian nationalism, the history of the British mandate, the Arab-Israeli wars, the involvement of external powers, and the quest for peace. The emphasis is on conflict resolution. Usually offered every spring. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210.

SISU-320 Topics in Global Economy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including global political economy, international monetary and financial relations, and international trade and investment relations. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-220.

SISU-321 Political Economy of Africa (3) This course provides an in-depth overview and analysis of both the economic and political factors which have helped to condition Africa's position within the global economic system. Political independence by the various African states launched into the global economic system a group of the world's poorest, weakest, and most artificial states. How have such states managed to survive politically and to shape their economies and to what extent is their survival now threatened by the global economic meltdown? Are the African countries competing successfully within the world's economic system? The course comprehensively treats the interplay between politics and economics as African states attempt to effectively manage their affairs within an era of globalization and also identifies patterns of change, examines constraints, and give careful attention to some of the processes that influence economic policy outcomes. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-220.

SISU-324 Topics in Political Economy of Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on political economy of Latin America. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-220.

SISU-328 Global Economy and Sustainable Development (3) An analysis of the relationship between economic activity and the natural environment from both mainstream and ecological perspectives. Policy measures for regulating pollution and managing common property resources are explored, including emission taxes, tradable pollution permits, and property rights solutions. Applications to global environmental issues such as climate change and local environmental problems are emphasized. Students gain an understanding of the meaning of sustainable development and the types of policies required to achieve it. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-220 or SISU-240.

SISU-329 Global Economic Governance (3) A study of the entrepreneurial, corporate, and governmental forces and organizations that have shaped international commerce and cross-border finance. The course examines how private-sector and official institutions in particular have become more or less relevant in light of fast-paced globalization since the 1960s, the challenges these institutions currently face, and how these institutions interact with and react to developments in commodity and financial markets. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-220 or SISU-280.

SISU-330 Topics in National Security and Foreign Policy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including U.S. defense politics, transnational security challenges, national security and proliferation, and critical global challenges. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISU-332 Japanese Politics and Foreign Policy (3) In September 2009, a change in government took place as a result of the opposition party winning a majority of seats for the first time in the post war era in Japan. This course analyzes the implications of this transformative change in government through an analysis of Japanese political culture, political institutions, and political actors. The course provides a contemporary understanding of Japanese domestic politics. Through empirical case studies, students get a better grasp of the actual decision making process in Japan. Then, by examining what has/has not changed since 2009, students consider the impact of the change in government on the Japanese political process. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISU-333 European Foreign and Security Policy (3) This course provides a survey of European foreign policy since World War II, including the origins, evolution, and end of the Cold War; analysis of national foreign policies; U.S. bilateral relations with the major European powers, relationships with the European Union and NATO, economic issues, disputes about "global governance," cultural issues, anti-Americanism, and the future of the trans-Atlantic relationship; and the post-Sept. 11 security environment. Usually offered every fall. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISU-334 U.S. Foreign Policy toward Latin America (3) This course examines U.S. foreign policy toward Latin America by focusing on the factors that shape U.S. foreign policy. The course considers the extent to which U.S. policy is shaped by the nature of the U.S. impact on Latin America. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISU-335 U.S. Foreign Policy toward the Middle East (3) The course provides students with a detailed understanding of the history of America's relations with the countries of the greater Middle East as well as of current issues in United States policy towards the region. The course not only analyses the Arab-Israeli issue in depth but also explores the domestic and international constraints which affect overall U.S. policy toward the Middle East. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISU-340 Topics in Global Inequality and Development (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including comparative development strategies, community development, and youth and development. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISU-343 Third World Cities (3) This course sets out to understand and analyze the dimensions and challenges of the rapidly growing cities and mega-cities of the Third World. It gives attention to topics such as poverty, unemployment, housing, water, infrastructure, revenue, health, etc. and attempts to learn lessons from a variety of approaches to urban planning, development, and finance. Attention is also paid to urban challenges in the United States. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISU-348 Gender and Development (3) This course examines from an interdisciplinary and international perspective how development is gendered and creates different meanings, impacts, and processes for women around the world. Students explore the different theoretical approaches used in understanding women's situations in developing societies and examine the impact of production and reproduction, politics, globalization, environment, and migration on women in different parts of the developing world. Students probe the success and failure of development strategies in incorporating women into the development process and explore new approaches to ensure women's empowerment and their agency to fully participate in development processes. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240 or SISU-260.

SISU-349 Topics in Global Inequality, Development, Environmental Sustainability, and Global Health (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on the intersection of global inequality, development, environmental sustainability, and global health. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240 or SISU-250.

SISU-350 Topics in Environmental Sustainability and Global Health (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including human geography, politics of population, international environmental politics, health in the developing world, and health communication. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISU-352 Environmental Politics of Asia (3) This seminar focuses on the environmental politics of Asia. It covers global, regional, and local environmental challenges. The class considers the transboundary impact of Asia's environmental problems, including air and water pollution, biodiversity loss, climate change, and ozone depletion through the theoretical lenses of international relations theory, environmental security, human security, and anthropology. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISU-358 Global Health (3) This is an introductory course on global health policy and practice. Based on a review of the historical foundations of international health and critical concepts from social science, ethics, and public health literature, key topics covered include the main contributing factors to the global burden of disease, as well as organizational, economic, and political determinants of intervention. Although a geographic focus is set on health related challenges in developing regions, the course also provides a comparative overview of health systems in more developed countries. Usually offered every spring. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250, or STAT-202 and PUBH-340.

SISU-359 Environment, Conflict, and Peace (3) The focus of the emerging interdisciplinary field of environmental peacemaking, with its focus on relationship-building between conflict actors, is to identify ways that the environment, natural and human, provides opportunities for building bridges of collaboration between conflicting parties. In this course, students deal with concepts from ecopolitics, environmental security studies, international relations, and conflict resolution to develop an understanding of the theoretical framework informing the emerging environmental peacemaking

paradigm. The course examines the interactions among violence, conflict, peace, security, and the natural environment. It is structured to create the context for students to address questions including what impact violent conflict has on the environment; is environmental degradation itself a source or trigger of violent conflict; and how environmental cooperation can be used to promote peace and sustainable development. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210 or SISU-250.

SISU-360 Topics in Identity, Race, Gender, and Culture (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including race and international relations, cultural diplomacy, and international education. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISU-363 Topics in Identity, Race, Gender, and Culture: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in Europe. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISU-364 Topics in Identity, Race, Gender, and Culture: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in Latin America. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISU-365 Topics in Identity, Race, Gender, and Culture: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in the Middle East. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISU-368 Differences and Similarities in Conflict Resolution (3) This course on conflict resolution examines our interdependent world and fosters greater intercultural awareness and communication. It encourages students to explore their own sense of identity, attitudes, and behavioral choices, and how they affect and are affected by differences and similarities encountered with others. The course employs experiential learning activities. Usually offered every fall. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-210 or SISU-260.

SISU-369 Topics in Public Diplomacy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on public diplomacy. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISU-370 Topics in Justice, Ethics, and Human Rights (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including ethics in international affairs, human rights and culture, human rights and the media, and political violence. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISU-372 Human Rights in East Asia (3) Course considers issues of human rights and culture in East Asia. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISU-374 Human Rights in Latin America (3) This course examines some of the issues confronting human rights in Latin America today: how to remember, redress and repair human rights abuses under past authoritarian regimes; how to document and address rights abuses linked to the globalized movements of labor and people, as well as of indigenous peoples; what the role of the United States has been and should be; what the role of international and national non-governmental organizations is and ought to be; how to address non-political violence through human rights frameworks; and how to secure human rights in the region's armed conflicts. Although numerous cases are included, the course draws heavily on Colombia, El Salvador, Guatemala, Brazil, Uruguay, Ecuador, and Haiti. Usually offered every fall. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISU-375 Human Rights and Islam (3) Human rights tenets are deeply embedded in the religious vision of Islam. This course examines human rights as a value and norm in international relations and of Islam as a constituent of political culture. It explores the wealth of information dealing with the issue from the Quranic discourse, the Prophetic tradition, Muslim scholars' interpretations, modern humanism perspectives, international law documents, independent scholars' findings, and official and non-official declarations by the United Nations and other organizations. Questions explored include what people in Muslim cultures think about human rights and why; how Islam influences the understanding of human rights in Muslim societies; is there an antithesis between Islam as a religion and the value of human rights; and how proposals for a particularly Islamic conceptualization of human rights are evaluated. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISU-378 Human Rights and U.S. Foreign Policy (3) The story of human rights in U.S. foreign policy is one of perpetual tension and resistance, of interpretation and reinterpretation. This course explores the nature of this dynamic process, exposing the way in which it involves both acceptance of and resistance to human rights. The course is divided into twelve learning modules: the first four modules provide historical and conceptual context, while the next four modules discuss both the hard and soft instruments in the human rights foreign policy toolbox, i.e. democratic institution building, diplomacy, international treaty processes and military intervention. The final four modules examine in greater depth the human rights foreign policy approaches adopted by the United States in specific cases. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230 or SISU-270.

SISU-379 Topics in Human Rights, Identity, and Culture (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on the intersection of human rights, identity, and culture. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260 or SISU-270.

SISU-380 Topics in Global and Comparative Governance (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including international law, comparative governing institutions, and leading global organizations. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISU-381 African Political Institutions (3) This course introduces students to the themes, debates, and basic techniques of comparative institutional analysis. It examines classic readings on presidentialism/parliamentarism, party systems, electoral systems, and constitutional design alongside new research that applies institutional models to Africa. The course culminates in an empirical investigation of the relationship between particular institutional combinations and outcomes such as better representation, less corruption, or improved macroeconomic performance. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISU-383 Overview of the European Union (3) The European Union and its institutions, historical roots, the variety of its political scenery, the unity of its different cultures, and the strength of its economy—in brief, comprehending the European identity. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISU-385 Islam and Democracy (3) The purpose of democracy in Islam is primarily to serve the community—the collective good—rather than the individual, while democracy in Western liberalism underscores individualism. However, as in other religions, there are democratic precepts and practices in Islam which promote the rights of the individual. This course seeks answers to questions raised by Islam's relation to democracy, including what Islamic traditions, precepts, and practices are most promising for the support of democracy; the ramifications of an Islamic civil society; what roles women play; and the most important issues and forces behind contemporary Islamic activism for democracy. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISU-386 Contemporary Africa (3) Africa's contemporary political culture and its historical, economic, geographic, and social roots, with special attention to Africa south of the Sahara. Usually offered every term. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISU-387 Contemporary India (3) This course examines the contemporary politics, society, and economy of India, one of the largest emerging powers. Students explore issues of democracy and market liberalization, religion, politics, and identity in the post-Gandhi period. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISU-390 Independent Reading Course in International Studies (1-6) *Prerequisite:* permission of instructor and SIS undergraduate studies office.

SISU-391 Internship in International Studies (1-6) *Prerequisite:* permission of internship coordinator and SIS undergraduate studies office.

SISU-393 International Relations Theory (3) Major trends in recent thought, including systematic and behavioral modes of analysis. Problems of explanation and theory building in social sciences with special reference to international studies. Usually offered every fall. May be taken A-F only.

SISU-395 Social Entrepreneurship (3) The last decade has seen an increase both in scholarly work related to the field of social entrepreneurship and in the number of social entrepreneurship organizations around the world. Social entrepreneurship directly matches the mission of American University and the distinctive strengths of the School of International Service with its research on international and cross-cultural communication, conflict resolution, development, organization and politics and its tradition of linking multidisciplinary theory to ethical practice in order to make a difference in the world. This course introduces students to the field of social entrepreneurship in a global perspective, focusing on communication and leadership. Involves teamwork, communication technologies, and case studies of organizations and partnerships that make a difference. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISU-401 Public Diplomacy: Media, Culture, Power (3) Public diplomacy is generally defined as understanding, engaging, informing, and influencing foreign publics. This course provides an understanding of the history and dynamics of U.S. public diplomacy; knowledge of strategies and techniques for advocating policy and influencing opinion and behavior of international audiences in a Web 2.0 age; skills to communicate, especially in writing; an understanding of how to analyze key data, including opinion polls and audience surveys; and an ability to engage with the key moral, political, and practical dimensions of public diplomacy. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-411 Senior Capstone: Africa (3) Topics vary by section. Rotating senior capstone topics focusing on Africa. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-412 Senior Capstone: East Asia (3) Topics vary by section. Rotating senior capstone topics focusing on East Asia. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-413 Senior Capstone: Europe (3) Topics vary by section. Rotating senior capstone topics focusing on Europe. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-414 Senior Capstone: Latin America (3) Topics vary by section. Rotating senior capstone topics focusing on Latin America. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-415 Senior Capstone: Middle East (3) Topics vary by section. Rotating senior capstone topics focusing on the Middle East. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-416 Senior Capstone: Russia (3) Topics vary by section. Rotating senior capstone topics focusing on Russia. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-417 Senior Capstone: South Asia (3) Topics vary by section. Rotating senior capstone topics focusing on South Asia. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-419 Senior Capstone: International Studies (3) Topics vary by section. Rotating senior capstone topics focusing on international studies. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-420 Senior Capstone: Global Scholars (3) Senior capstone focusing on international studies. May be taken A-F only. *Prerequisite:* admission to Global Scholars program.

SISU-421 Senior Capstone: Peace, Global Security, and Conflict Resolution (3) Topics vary by section. Rotating senior capstone topics focusing on peace, global security, and conflict resolution. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-422 Senior Capstone: Global Economy (3) Topics vary by section. Rotating senior capstone topics focusing on the global economy. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-423 Senior Capstone: Foreign Policy and National Security (3) Topics vary by section. Rotating senior capstone topics focusing on foreign policy and national security. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-424 Senior Capstone: Global Inequality and Development (3) Topics vary by section. Rotating senior capstone topics focusing on global inequality and development. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-425 Senior Capstone: Environmental Sustainability and Global Health (3) Topics vary by section. Rotating senior capstone topics focusing on environmental sustainability and global health. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-426 Senior Capstone: Identity, Race, Gender, and Culture (3) Topics vary by section. Rotating senior capstone topics focusing on identity, race, gender, and culture. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-427 Senior Capstone: Justice, Ethics, and Human Rights (3) Topics vary by section. Rotating senior capstone topics focusing on justice, ethics, and human rights. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-428 Senior Capstone: Global and Comparative Governance (3) Topics vary by section. Rotating senior capstone topics focusing on global and comparative governance. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

SISU-430 Comparative Social Movements (3) Examines a broad range of civil rights, revolutionary, and pro-democracy movements in Europe, the Middle East, Latin America, and the United States. Students develop a comprehensive theory about social movements in order to classify them and develop predictive models about their emergence, shape, and outcome. May be taken A-F only. *Prerequisite:* International Studies major and at least 75 credits.

470 Course Descriptions

SISU-450 Topics in International Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues in international relations. May be taken A-F only.

SISU-461 Topics in Peace, Global Security, and Conflict Resolution (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including peace and social justice, international security, causes of war, and human and global security. May be taken A-F only. *Prerequisite:* SISU-210.

SISU-462 Topics in Global Economy (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including global political economy, international monetary and financial relations, and international trade and investment relations. May be taken A-F only. *Prerequisite:* SISU-220.

SISU-463 Topics in Foreign Policy and National Security (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including U.S. defense politics, transnational security challenges, national security and proliferation, and critical global challenges. May be taken A-F only. *Prerequisite:* SISU-230.

SISU-464 Topics in Global Inequality and Development (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including comparative development strategies, community development, and youth and development. May be taken A-F only. *Prerequisite:* SISU-240.

SISU-465 Topics in Environmental Sustainability and Global Health (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including human geography, politics of population, international environmental politics, health in the developing world, and health communication. May be taken A-F only. *Prerequisite:* SISU-250.

SISU-466 Topics in Identity, Race, Gender, and Culture (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including race and international relations, and cultural diplomacy and international education. May be taken A-F only. *Prerequisite:* SISU-260.

SISU-467 Topics in Justice, Ethics, and Human Rights (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including ethics in international affairs, human rights and the media, and political violence. May be taken A-F only. *Prerequisite:* SISU-270.

SISU-468 Topics in Global and Comparative Governance (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including international law, comparative governing institutions, and leading global organizations. May be taken A-F only. *Prerequisite:* SISU-280.

SISU-471 Topics in Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Africa. May be taken A-F only. *Prerequisite:* SISU-211.

SISU-472 Topics in East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on East Asia. May be taken A-F only. *Prerequisite:* SISU-212.

SISU-473 Topics in Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Europe. May be taken A-F only. *Prerequisite:* SISU-213.

SISU-474 Topics in Latin America (3) Topics vary by section, may be repeated for credit with different topic. Topics focusing on Latin America. May be taken A-F only. *Prerequisite:* SISU-214.

SISU-475 Topics in Middle East (3) Topics vary by section, may be repeated for credit with different topic. Topics focusing on the Middle East. May be taken A-F only. *Prerequisite:* SISU-215.

SISU-476 Topics in Russia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Russia. May be taken A-F only. *Prerequisite:* SISU-216.

SISU-477 Topics in South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on South Asia. May be taken A-F only.

SISU-481 Women, Gender, and Change in the Middle East and North Africa (3) This course focuses on how the concepts of women and gender have entered historically into the formation of the modern state in the Middle East and North Africa (MENA), and how debates over the status of women in religious and national communities have figured centrally in the current political events and struggles. The course examines how specific popular issues (such as the wearing of the veil) fit into the broader relationship among gender, power, and politics, and explores the relationship between elements of globalization (such as the new information technology) and the struggle for human rights and equality. The analysis is based on a variety of sources, including political and literary writings, religious texts and commentaries, fiction writing and films, and blogs and Twitter. May be taken A-F only.

SISU-482 U.S.-China Relations (3) This course begins with an overview of U.S.-China relations from historical and theoretical perspectives, providing the background necessary to comprehend the domestic foundations of foreign policy. It then examines politics and foreign policies of China and the United States, and interactions between the two powers. Includes security, economic, and diplomatic relations as well as their impact on international relations in Asia-Pacific including Japan, South Korea, and Southeast Asia. The course also introduces a variety of perspectives as analytical tools for research, and analyzes significant controversies as a way of participating in the field's theoretical and policy debates. May be taken A-F only.

SISU-483 Nuclear North Korea (3) This seminar examines the two nuclear crises in the Korean Peninsula, one that was averted by the Democratic People's Republic of Korea (North Korea) and the United States signing the Geneva Accord in 1994, and the other ongoing since November 2002. The course compares different strategic visions to deal with the nuclear proliferation and investigates the missed opportunities and new challenges underlying the current multilateral engagement with North Korea through the Six-Party Talks. Particular emphasis is placed on the roots of the crises inherited from the unsettled colonial legacy in the Korean peninsula as the pivotal geopolitical area in modern history where great powers collided. The nuclear crises are also used as rich test grounds for theories of comparative politics, strategic studies, and international politics. May be taken A-F only.

SISU-485 Race and Ethnicity in Europe (3) From the birth of the multitude of nations in Europe to the present, race and ethnicity have been critical arenas of social struggle and debate. Not a single nation in Europe has escaped the contradictions and divisions that racial and ethnic inequality have generated although there have been a very wide number of strategies employed by both states and marginalized racial and ethnic groups to address these concerns. This course examines the theoretical, historic and contemporary context of these movements, government policies, and state actions around these concerns. May be taken A-F only.

SISU-490 Independent Study Project in International Studies (1-6) *Prerequisite:* permission of instructor and SIS undergraduate studies office.

International Service

Undergraduate Courses

SIS-102 Selected Topics in Leadership (1-2) Topics vary by section, may be repeated for credit with different topic. Analyses of topics in leadership in a global era, with special attention to law and diplomacy, global commerce, global health, and policy issues. Usually offered every summer. *Note:* Open only to students by contract.

SIS-319 Topics in International Relations (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including economic policy, global environmental policy, international peace and conflict resolution, international development, U.S. foreign policy and regional studies, among others. Usually offered every term.

SIS-391 Internship in International Affairs (1-12) Direct involvement in policymaking through participation in a government agency or nongovernmental organization. *Prerequisite:* permission of internship coordinator and SIS undergraduate studies office.

SIS-450 International Law and Organizations Seminar I (4) The first of a two-part seminar, this course focuses on the expanding role of law in governing relations among nations while an interdependent world turns to multinational organizations in the making of global policy. Students examine the impact of the relationship between international law and organizations on security and terrorism, international trade and economic development, the environment, human rights, and humanitarian assistance. Students spend 13 weeks in Washington, D.C. meeting with international law practitioners and visiting organizations that shape policy, a week in New York City for a first-hand examination of the United Nations, and then travel to Europe for a series of seminars focusing on NATO and the European Union. *Prerequisite:* concurrent registration in SIS-451 and permission of Washington Semester Program.

SIS-451 International Law and Organizations Seminar II (4) This course is the second of the two-part Washington Semester in International Law and Organizations seminar. It focuses on the expanding role of law in governing relations among nations while an interdependent world turns to multinational organizations in the making of global policy. Students examine the impact of the relationship between international law and organizations on security and terrorism, international trade and economic development, the environment, human rights, and humanitarian assistance. Students

spend 13 weeks in Washington, D.C. meeting with international law practitioners and visiting organizations that shape policy, a week in New York City for a first-hand examination of the United Nations, and then travel to Europe for a series of seminars focusing on NATO and the European Union. *Prerequisite:* concurrent registration in SIS-450 and permission of Washington Semester Program.

SIS-452 International Law and Organizations Internship (4) Student gain valuable contacts and work experience through an internship at a think tank, law firm, advocacy group, or international organization in Washington, D.C., that fits their academic career and goals. *Prerequisite:* concurrent registration in SIS-450/451 and permission of Washington Semester Program.

SIS-453 International Law and Organizations Research Project (4) Students have the opportunity to investigate important issues confronting international law and organizations. Students gather much of their research from public documents at sources including the Library of Congress and international organizations. While in Washington, New York, and Europe, they interview government officials, diplomats, representatives of nongovernmental organizations (NGOs), and international lawyers. *Prerequisite:* concurrent registration in SIS-450/451 and permission of Washington Semester Program.

SIS-461 AU-Ritsumeikan Exchange (1-15) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-Ritsumeikan University (in Kyoto, Japan) exchange program. Usually offered every term. *Note:* Consult SIS undergraduate office.

SIS-462 AU-Korea University Exchange (1-15) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-Korea University (in Seoul, Korea) exchange program. Usually offered every term. *Note:* Consult SIS undergraduate office.

SIS-463 AU-Sciences Po Exchange, Paris (1-15) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-Sciences Po (Institut d'Etudes Politiques de Paris) exchange program. Usually offered every term. *Note:* Consult SIS undergraduate office.

SIS-464 AU-Sookmyung University, Korea Exchange (1-15) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-AU-Sookmyung University, Korea exchange program. Usually offered every term. *Note:* Consult SIS undergraduate office.

SIS-471, SIS-472 International Environment and Development Seminar I (4), II (4) Focusing on policy and the relationship of the models of development and environmental problems, the seminar links the world of the policymaker with that of the academic theorist. The theme of the seminar is: What do we mean by development, and how do we get there while preserving the planet? Usually offered every fall and spring. *Prerequisite:* permission of Washington Semester Program; must be taken concurrently.

472 Course Descriptions

SIS-473 International Environment and Development Research Project (4) This field experience during the final three weeks of the semester begins with seminars in the capital city with government officials, scholars from local universities, nongovernmental groups and foreign assistance organizations. Students travel throughout the country examining innovative programs now under way to create sustainable development alternatives. Students travel to Africa in the fall semester and to Costa Rica in the spring semester. Usually offered every fall and spring. *Prerequisite:* permission of Washington Semester Program.

SIS-474 International Environment and Development Internship (4) While in Washington students engage in a two-day-per-week internship providing direct experience in an environmental and/or development organization. Usually offered every fall and spring. *Prerequisite:* permission of Washington Semester Program.

SIS-475 Ethnic Cleansing and Genocide in a Comparative Perspective (3) This course explores ethnic cleansing and genocide as one of the central events in the twentieth century. Designed as a comparative and interdisciplinary inquiry, it looks at the ways historical context, political realities, sociological, ideological, and cultural components enable ethnic cleansing and genocide. It examines legal issues as well as social and economic dynamics, such as the connections between environment, resources, security, conflict, and peacemaking. The course analyzes eight cases of ethnic cleansing and genocide including the Herero genocide, the Armenian genocide, the Nanking Massacre, the Holocaust, the Cambodian genocide, the Rwandan genocide, the ethnic cleansing in Bosnia and Herzegovina, and the Sudan genocide. Usually offered every spring.

SIS-476 Religion and Politics Worldwide (3) This course offers students an opportunity to compare the ways world societies define the relationship between religion and politics. It also examines the role of religious ideas, institutions, and movements in shaping political discourse and electoral processes in countries with adherents to major world religions including Christianity, Judaism, Islam, Hinduism, Buddhism, Confucianism, and Shintoism. This includes a close look at how individuals, groups, and denominations interact with governments and other actors in the political arena, and a discussion of the political participation of religious minorities. The course takes a cross-cultural approach to account for a variety of views within the different regions, countries, and religious traditions on the core issues of concern. A key hypothesis examined through case studies suggests that the structure of the religious market in a given setting explains the nature of its religious politics. Usually offered every term.

SIS-486, SIS-487 Peace and Conflict Resolution Seminar I (4), II (4) Explores conflict, peacemaking, and conflict resolution from various perspectives and prepares students with conflict resolution and change skills to participate actively and creatively in building a global society based on peace, justice, and nonviolent resolution of conflicts. Usually offered every fall and spring. *Prerequisite:* permission of department.

SIS-488 Peace and Conflict Resolution Research Project (4) Students write an in-depth research paper on a topic related to peace and conflict resolution. Research skills, analysis, written skills, and originality are emphasized. Usually offered every fall and spring. *Prerequisite:* permission of department.

SIS-489 Peace and Conflict Resolution Internship (4) Provides students with first-hand experience in organizations directly involved in a variety of peacemaking and social change efforts. Usually offered every fall and spring. *Prerequisite:* permission of department.

SIS-490 Independent Study Project in International Relations (1-6) *Prerequisite:* permission of instructor and SIS undergraduate studies office.

SIS-491, SIS-492 International Politics and Foreign Policy Seminar I (4), II (4) Semester devoted to United States foreign policy formulation and implementation. Systematic study of foreign policy emphasizes qualitative analysis and employs quantitative methods as appropriate. Students participate in seminars, workshops, on-site observation, and meet with foreign policymakers and influencers from government, media, and other private-sector organizations. Usually offered every term. *Prerequisite:* permission of Washington Semester Program.

SIS-493 International Politics and Foreign Policy Research Project (4) Usually offered every term. *Prerequisite:* permission of Washington Semester Program.

SIS-497 International Politics and Foreign Policy Internship (4) Usually offered every term. *Prerequisite:* permission of Washington Semester Program.

Graduate and Advanced Undergraduate Courses

SIS-051 Summer Institute (0) Noncredit topics dealing with cutting edge issues in international affairs. Usually offered every summer.

SIS-503 North American Summer Institute (3) Topics vary by section, may be repeated for credit with different topic. The Discovering North America institute, offered by the Center for North American Studies (CNAS), is dedicated to understanding the ties that connect and the differences that divide North America's three countries: Canada, the United States, and Mexico. Students participate in seminars and may be placed in internships with agencies and organizations working on North American issues in Washington, D.C. Usually offered every summer.

SIS-510 Islamic Sources of Conflict Resolution (3) Investigates the role of cultural and religious elements in conflicts affecting the Muslim world, and examines Islamic precepts as they relate to the theory and practice of conflict resolution. After reviewing principles and precedents from the Qur'an, the Hadith, the Shari'ah, and traditional Islamic culture, students engage in research projects to analyze conflict and conflict resolution processes both within the Muslim world and between Muslim and non-Muslim ethnic and political groups. Usually offered alternate springs (even years).

SIS-511 Kurds: Social, Cultural, and Political Identity (3) Topics vary by section, may be repeated for credit with different topic. Focuses on the history of the Kurds and their social and political institutions, cultural and social factors contributing to the rise of Kurdish nationalism in the Middle East, Kurdish search for identity and/or political autonomy, the socio-political impact on the countries they inhabit, and their ties to other minorities in the region. Usually offered every term.

SIS-513 Digital Tools for Assessing International Relations (3) An introduction to using the Web for research and publishing materials on the Web. Includes Web-programming techniques and case studies related to vital international relations issues such as trade, the environment, and preventive diplomacy. Student papers are posted on the Web as part of a virtual conference at the end of the semester. Usually offered every term.

SIS-514 Spirituality and Global Politics (3) Examines the application of spirituality to global politics with particular emphasis on how modalities of faith and belief which transcend narrowly sectarian concerns promote peace and conflict resolution. Includes the historical significance of faith and belief on contemporary issues in global politics, content and process of spirituality, and consciousness in social action. Usually offered alternate springs (even years).

SIS-515 Islamic Peace Paradigms (3) The ideal of peace is deeply embedded in the religious vision of Islam, but ideas for achieving peace have differed. This course explores the interpretive foundations, history, and practice of four major Islamic paradigms: tradition, reformism (islah), renewalism (tajdid), and Sufism (tasawwuf). The origins, value structure, and methodology of each paradigm are examined in light of the challenges facing contemporary Islamic societies. Usually offered alternate falls (odd years).

SIS-516 Peacebuilding in Divided Societies (3) This course explores various peacebuilding approaches that can be utilized in multi-ethnic and divided societies. It focuses on the three possible levels of intervention (grassroots, middle out and top down) often implemented by peacemakers in their attempts to bring change to the dynamics of deeply rooted conflict societies. As a primary case study for this course, the Israeli-Palestinian conflict is critically reviewed and examined. Multiple dimensions of the Israeli-Palestinian conflict in the West Bank and Gaza Strip, as well as the relationship between Palestinians and Jews within Israel, are investigated. Usually offered every fall.

SIS-517 Gender and Conflict (3) This seminar examines the gender dimensions of human wrongs associated with violent conflict. Students are encouraged to ask questions about the complexity of human rights problems and consider aspects of human rights problems made invisible to the outside world by silencing or obscuring the victims. Students also explore how each aspect of conflict is gendered. Of primary concern is gendered forms of resistance to and cooperation with agents of war and peace, the role gender plays in the militaries and militarization, the impact of militarization on the lives of men and women in both war and peace time, and recent legal and political attempts to address gender-based violence in human rights. Usually offered every spring. *Prerequisite:* SISU-280.

SIS-519 Special Studies in International Politics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including international economic policy coordination, emerging capital markets, international environmental policy, political risk analysis, international relations of Japan, preventive diplomacy, United States and Cuba, and nonviolence. Usually offered every term.

SIS-528 Special Studies in International Communication (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including international communication and information technology; international communication multilateral negotiation; international communication and public diplomacy; international communication and development; communicating in the Arab world and in Islamic societies; communication, culture, and change; the global knowledge economy; and strategic communications in intelligence and national security. Usually offered every term.

SIS-533 Population, Migration, and Development (3) This course provides the necessary analytical skills to understand contemporary population dynamics, especially in the developing world. It examines fundamental components of current trends in population dynamics; theoretical bases of the population debate; fertility issues; the relationship among population, development, and human migration flows; and population policy and sustainable development in developing and developed countries. Usually offered every fall.

SIS-536 Special Topics in International Development (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include governance, democracy, and development; population, migration, and development; etc. Offered irregularly.

SIS-537 Special Topics in Development Management (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include managing decentralization, urban development, and small scale enterprise. Usually offered every term. *Prerequisite:* SISU-240, or SIS-637, or equivalent.

SIS-539 Comparative Development Strategies (3) This course explores the many factors that affect the way states and societies construct national development strategies. It focuses on underlying causes for the wide range of development strategies: colonial legacies; natural resource curse; institutions; governance; neighborhood; foreign aid; and global linkages. The impact particular strategies have on development outcomes such as environmental sustainability, democracy, growth, poverty, income distribution, and social justice are also considered. Usually offered every fall.

SIS-540 Conflict and Development (3) An examination of the way in which development processes, strategies, and policies increase or decrease local, national, and international conflicts, as well as the ways in which conflicts at all levels condition development choices. Usually offered every fall.

SIS-541 Systems Analysis for Management, Development, and the Environment (3) This course provides an opportunity to learn how systems analysis theories, models, and techniques can be rigorously applied to the subject matter of management, environmental policy issues, and international development. Usually offered every spring. *Prerequisite:* SIS-600 or a course in quantitative research methods or statistics.

SIS-542 Human and Global Security in the New World Order

(3) This course examines developments in and ways of thinking about security since the end of the bi-polar world order. The course considers ways of thinking about security other than through the national security framework; works towards an understanding of non-military threats to human life, communities, societies, and cultures; examines the intersection of globalism and new forms of security provision; examines the impact of organized crime; assesses the scope and consequences of light weapons proliferation, especially for developing countries; and analyzes forms of involvement in wars. Usually offered every term.

SIS-545 Comparative and International Race Relations (3)

Examines the way in which nationalism, feminism, Marxism, and diverse theoretical perspectives have shaped the meaning and role of race. Also addresses methodological issues that arise in the comparative study of race in different regions of the world. Usually offered every fall.

SIS-551 Economy, Politics and Society in Europe (3)

The political systems, values, and sociological changes in European society since 1945; an analysis of European nations and regions and of different levels of development and economic organization. Usually offered every fall.

SIS-553 Central and East Europe in Transition (3) A comparative approach exploring the circumstances leading to and the consequences of the transitions in central and eastern Europe. Historical, economic, and political perspectives are emphasized. Assessment of relative successes and failures of the transitions and prospects for the region's future. Usually offered every term.

SIS-559 Selected Topics in Cross-National Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics, usually with a geographical or regional focus, include fundamentalist movements in Islam; political economy of African crisis; theories of nationalism; etc. Offered irregularly.

SIS-560 Chinese Foreign Policy (3) This seminar provides an overview of Chinese foreign policy and examines China's bilateral relations with its Asian neighbors and the United States, including controversial topics such as arms control, human rights, and the Taiwan issue. Also covers the policy-making process, including the shift of priorities from the era of revolution to the era of modernization. Usually offered alternate springs.

SIS-561 Modern China (3) Emergence of China as a world power, with emphasis on economic, political, and social trends in the People's Republic of China today. Usually offered alternate springs.

SIS-562 Political Economy of China (3) This course examines the evolution of China's political institutions and its transitional economy since 1949. It focuses on economic reforms in rural and urban areas and the prospect for political reform. Also discussed are significant changes in the financial sectors and state-owned enterprises, as well as the economic integration of "greater China." Usually offered alternate springs.

SIS-563 Japanese Foreign Policy (3) This seminar provides a comprehensive understanding of Japan's historical background and its basic foreign policy issues. It examines significant strategic and economic debates regarding Japan's role in the international community with emphasis on Japan's relations with its Asian neighbors and the United States. Usually offered alternate falls.

SIS-564 Chinese Politics (3) This course focuses on China's political process from 1949 to the present to provide a comprehensive framework for understanding Chinese politics. It examines the party-state system, political leadership, state-society relations, the role of the military, political culture, and the demand for democratization. Usually offered alternate springs.

SIS-565 U.S. Economic Relations with Japan and China (3)

The benefits of foreign trade are analyzed in the context of the economic and political factors causing trade imbalances and frictions between the United States and Japan and China. Examination of divergent trade policies and dissimilar trade performances, and analysis of efforts to restore bilateral harmony and equilibrium between the United States and Asia's two largest economies. Usually offered every spring. *Prerequisite:* 6 credit hours of basic economics.

SIS-566 International Communication Skills Institutes (1-3)

Topics vary by section, may be repeated for credit with different topic. Introduction to specific techniques and approaches currently used in international communication. Usually offered every term.

SIS-567 International Relations of East Asia (3)

Recent historical and contemporary interstate relations in East Asia, and the place of East Asia in world affairs. Usually offered every term.

SIS-571 International Relations of the Middle East (3)

Recent historical and contemporary interstate relations in the Middle East and North Africa and the place of the Middle East in world affairs. Usually offered every term.

SIS-573 International Relations of Africa (3)

Recent historical and contemporary interstate relations in Africa and the place of Africa in world affairs. Usually offered every term. *Prerequisite:* SISU-211 or SISU-386 or graduate standing.

SIS-577 International Relations in the Americas (3)

Recent and contemporary interstate relations in Latin America and the place of Latin America in world affairs. Usually offered every term.

SIS-578 Comparative Social Movements (3)

Examines a broad range of civil rights, revolutionary, and pro-democracy movements in Europe, the Middle East, Latin America, and the United States. Students develop a comprehensive theory about social movements in order to classify them and develop predictive models about their emergence, shape, and outcome. Usually offered every spring.

SIS-579 Selected Regional and Country Studies (3)

Topics vary by section, may be repeated for credit with different topic. Comparative perspective on contemporary international relations with regional or area focus. Brings theory to bear on the study of the area. How do major theoretical constructs contribute to understanding the region? Conversely, how does knowledge of the topic area extend the range of generalizations in the social sciences? Usually offered every term.

SIS-580 Japan's Twenty-first Century Transformation (3)

Long-hailed as the paradigmatic successful state after the country was lifted out of poverty at the end of World War II, the recession of the 1990s called into question the viability of the Japanese model. However, more than a lost decade, the economic downturn brought far-reaching changes affecting all areas of Japanese politics, economics, and society. This course studies the evolution of core Japanese institutions, discusses the politics behind recent reforms, and the challenges of internationalism. Usually offered every spring.

SIS-582 United States Policy towards Latin America (3) This course examines U.S. foreign policy towards Latin America by focusing on the factors that shape U.S. foreign policy. The course considers the extent to which U.S. policy is shaped by the nature of the U.S. impact on Latin America. Usually offered every spring.

SIS-583 United States in World Affairs (3) This course addresses the role of the United States in world affairs and contemporary issues. Focuses on U.S. interests in selected regions (e.g., the Middle East or East Asia), as well as its role in addressing critical global challenges (e.g., nuclear proliferation or climate change).

SIS-584 Transnational Crimes and Globalization (3) This course provides an overview of transnational crime and corruption and its effects on the political, economic, and social development of countries around the world. Impediments to the effective control of transnational organized crime are considered in the context of increasing globalization and the technological revolution. Usually offered every term.

SIS-586 American at War (3) Examines the role of technology in national and international security through historical and contemporary cases of military-technological innovation and stagnation and their impact on policy, strategy, and conflict. The processes of innovation—and their success or failure—are emphasized, including the central dynamic involving technologies that favor the offense and those favoring the defense. Usually offered alternate falls (odd years).

SIS-587 Globalization and Global Governance (3) This course examines the power and governance of globalization. It explores issues including what is globalization, its origins, and underlying causes; how states respond to globalizing processes; have states and international organizations established rules for controlling these forces or are they out of control, and are alternatives possible; and the major challenges and forms of resistance to globalization. Also, how social movements such as labor unions, women's groups, environmentalists, and human rights activists are responding to shifts in global markets and cultures, and to what extent anyone is in charge of this set of processes. Usually offered every fall.

SIS-588 Proliferation and Arms Control (3) The proliferation of nuclear weapons presents several serious threats to U.S. national security. Students examine these threats by developing an understanding of theories and cases of state acquisition of nuclear weapons, concerns about terrorist and criminal networks getting these weapons, and increasing pressure on the United States to place limits on its own nuclear arsenal. The course also examines U.S. nuclear and nonproliferation strategies in historical and contemporary perspective, along with arms control, verification, and abolition. Concerns about the proliferation of biological and chemical weapons are also addressed. Usually offered every spring.

SIS-589 Global Political Economy (3) This course is concerned with the scope of political economy. The focus is on the origins of the modern global political economy and its institutional structure. It examines contemporary issues in political economy, using the division of labor as an organizing concept, and explores the prospects for global restructuring at the turn of the century. Usually offered every spring.

SIS-590 Independent Reading Course in International Relations (1-6) *Prerequisite:* permission of instructor and SIS graduate studies office.

Graduate Courses

SIS-030 International Affairs Proficiency (0) Provides training for international affairs tool of research requirements. This course satisfies the tool of research requirement for the SIS master's degree program if completed with a grade of B or better. *Prerequisite:* admission to SIS graduate degree program.

SIS-033 Topics in International Communication (0) Noncredit topics provide introduction to a specific technique or approach currently used in the international communication/cross-cultural communication field, focusing on intercultural training, multicultural negotiation, intercultural leadership, or another similar area. Usually offered every term. May be taken pass/fail only.

SIS-042 Academic Research and Writing for International Relations (0) This non-credit graduate course is designed to improve the academic research and writing skills of non-native English speakers by completing assignments involving lectures and readings in the fields offered by the School of International Service. Students build a solid foundation in international relations theory and vocabulary, and develop critical thinking, presentation, and intercultural communication skills. Usually offered every fall.

SIS-091 Internship in International Affairs (0) Noncredit internship or professional experience for graduate students in international affairs. *Prerequisite:* permission of SIS Graduate Advising Office.

SIS-600 Statistics, Research Design, and Research Methods for International Affairs (3) Introduction to research design and research methods with particular focus on quantitative measurement, statistical analysis, and computer use for international relations research. Usually offered every term.

SIS-601 Global International Relations Theory (3) Interdisciplinary perspectives; major paradigms of thought; definition of boundaries of the field; normative and analytic goals and definition of priorities. Usually offered every fall.

SIS-602 AU-University for Peace Exchange (1-6) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-University for Peace, Costa Rica exchange program. Usually offered every term. *Note:* Consult SIS graduate office.

SIS-603 Special Institute in International Affairs (1-6) Topics vary by section, may be repeated for credit with different topic. Selected topics dealing with cutting edge issues in international affairs. Usually offered every summer.

SIS-605 Theory of Cooperative Global Politics (3) Examines the historical movement toward stability and order in the international political system with emphasis on comparing such concepts as nation-state/one world; national interest/human interest; rights of states/human rights; sovereignty/interdependence; war/collaborative conflict resolution. The concepts that underlie the competitive model of world politics—individualism, rationality, and self-interest—are analyzed within the global political context.

SIS-606 Culture and Peace and Conflict Resolution: Alternatives to Violence (3) In this course, students engage two primary questions: What roles do cultural values, norms, and practices play in conflict and in its resolution? How is conflict resolution practiced in cultural contexts around the world? Students explore these questions to become more informed practitioners of conflict resolution practices, capable of adapting our knowledge, attitudes, and skills in diverse contexts around the globe. Usually offered every term.

SIS-607 Peace Paradigms (3) This course reviews a range of approaches to peace, the underlying assumptions and methods, and current applied examples within each approach. The course provides an overview of the history and development of five approaches to peace, which students analyze and compare: peace through force; peace through world order; peace through communication and conflict resolution; peace through nonviolence; and peace through transformation (personal and relational). Usually offered every term.

SIS-608 AU-University for Peace Program (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at University for Peace (UPEACE), San Jose, Costa Rica. *Prerequisite:* permission of SIS Program Development Office.

SIS-609 Conflict Analysis and Resolution: Theory and Practice (3) Explores conflict resolution as a field of inquiry and research; perspectives, theories, and assumptions underlying conflict analysis and conflict resolution; contending approaches to conflict resolution training and practice. A case analysis approach is used to examine the role of contemporary issues in conflict situations. Usually offered every fall.

SIS-610 Theories of Violence and War (3) This course sets forth the main theoretical frameworks, with empirical examples, for understanding the causes and conditions of violent conflict. It examines organized violence at various levels (global system, state, group, and individual) and across disciplines (political science, sociology, philosophy, psychology, anthropology, and more). Usually offered every term.

SIS-611 International Negotiation (3) An advanced interactive seminar that focuses on how international actors negotiate in diverse contexts. The course covers negotiations to achieve ceasefires, resolve hostage and terrorist incidents, comprehensively end wars, advance economic relations, and resolve diplomatic crises, among others. Special concepts and theories that distinguish international negotiations from those that are domestic or interpersonal are also addressed. Students gain an understanding of the historical origins of international negotiation and selected aspects of conflict resolution theory, as well as a deep understanding of theories about the process and outcome of international negotiation. They also improve their own negotiation

skills by practicing on simulations and cases while developing the ability to analyze negotiations in order to develop policy recommendations; strategies and tactical responses. Usually offered every term.

SIS-612 Qualitative Research Methods in Peace and Conflict Resolution (3) This course introduces a range of qualitative methods for social science research, especially for students in IPCR and EPGA who are planning research for substantial research paper (SRP) or thesis projects. Topics include developing a research question, performing a literature review, and selecting an appropriate methodology. Methods covered include interviewing, focus groups, case studies, participant observation, content analysis, and action research. Issues discussed include human subjects protocols, negotiating access, and the ethics of working with war-affected populations. Usually offered every fall.

SIS-613 Reconciliation and Justice (3) This course exposes students to the complex and multi-dimensional aspects of the relationship between reconciliation and justice in a post-conflict context. It also develops a deeper understanding of the challenges involved in applying and designing a reconciliation project in a development context. The course addresses the tension between the request for reconciliation, coexistence, and peace and the demand for justice. Usually offered every fall.

SIS-614 Ethics in International Affairs (3) A critical exploration of the ethical dimensions of international relations. This course identifies the values and ethical concerns which underpin international relations theory. It explores the possibility of constructing viable and humane alternatives to the existing world order to recognize cultural diversity and heterogeneity. Usually offered every spring.

SIS-615 Fundamentals of United States Foreign Economic Policy (3) Analysis of the principal American policies of international trade, finance, development, and investment. Attention is given to the institutions and processes that shape foreign economic policy, and to the utility of such tools as trade, foreign aid, and sanctions. Usually offered every term. *Prerequisite:* ECON-603 or equivalent.

SIS-616 International Economics (3) Examines comparative advantage and neo-classical trade theory, contemporary trade theories, balance of payments, accounting, exchange rates, and open economy macroeconomic and economic development. Usually offered every term. *Prerequisite:* ECON-603 or equivalent.

SIS-617 Applied Conflict Resolution (3) Examines a variety of theories for analyzing conflict and a range of methods for addressing it at various levels of social interaction. Through interactive learning methods, students see the strengths and limitations of concepts and methods, as well as their potential applications. Usually offered alternate falls (odd years).

SIS-618 Topics in North American Studies (3) Topics vary by section, may be repeated for credit with different topic. Course addresses key issues in North American studies. Usually offered every term.

SIS-619 Special Studies in International Politics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including international economic policy coordination, emerging capital markets, international environmental policy, political risk analysis, international relations of Japan, preventive diplomacy, United States and Cuba, and nonviolence. Usually offered every term.

SIS-620 Studies in Global Environmental Politics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include water; food and agriculture; climate and energy; policy analysis; sustainable design; comparative environmental politics; and environmental security. Usually offered every term.

SIS-621 International Law and the Legal Order (3) The nature and functions of international law in interstate relations, with emphasis on recent trends in scholarship and on cases, documents, and other original materials. Usually offered every spring.

SIS-622 Human Rights (3) This course explains the main principles of international human rights law and provides a solid grounding in the main United Nations and regional systems for human rights protection and promotion. In addition, students are introduced to the methodology of human rights fact-finding, including interview techniques and planning investigations. The course also considers the political, sociological, and ethical dimensions of human rights advocacy. Students consider the ways in which human rights address human society and how we treat one another, how authority is used, and issues of basic justice and fairness. Usually offered every fall.

SIS-623 International Policy Analysis: Theory and Practice (3) This course provides an introduction to the theory and practice of public policy analysis in international affairs, focusing on the methods used to analyze and evaluate policy, the various issues associated with policy formation, and the application of these methods to different policy areas. Usually offered every term.

SIS-624 Children in International Development (3) This course focuses on the predicament of children in various situations around the world in which they are exploited, abused, or disadvantaged. Includes street children, child soldiers, child labor, AIDS orphans, handicapped children, and trafficking in children. Constructive alternatives to deal with these problems are also discussed. Usually offered every spring.

SIS-625 International Organizations (3) The origins, principles, organization, activities, and performance of major international organizations in issue areas including economic development, international security, trade, and humanitarian assistance. Theoretical aspects are emphasized. Usually offered every spring.

SIS-626 Social Policy and Development (3) The design, implementation, and financing of health, education, social insurance, water, etc., in developing countries. The course covers debates about rights vs. cost effectiveness, universal coverage vs. targeting, centralized vs. local control, public vs. private provisions, etc. Students are introduced to tools to facilitate social policy analysis in conditions of limited resources. Usually offered every spring.

SIS-627 International Finance and the Emerging Markets (3)

This course deals with the implications of financial globalization for emerging market countries and specifically with the pros and cons of attracting direct investment and portfolio flows, the peculiarities of global capital movements such as contagion and sudden stop phenomena, the roles of credit rating agencies and the International Monetary Fund (IMF) in facilitating access to international lenders and investors, the importance of currency and maturity mismatches, the effectiveness (or not) of controls on capital flows, and the relationship between capital flows, overindebtedness, and sovereign debt defaults. Usually offered every spring. *Prerequisite:* SIS-666 or ECON-672 or IBUS-700.

SIS-628 Advanced Topics in International Communication (1-3)

Topics vary by section, may be repeated for credit with a different topic. Rotating topics include cross-cultural collaboration in global virtual teams; health and culture across borders; public diplomacy; social entrepreneurship; global innovation without frontiers; social media and cultural-political transformation; race, class, and power in international education; field research in health communication; foreign media and public opinion; managing international and intercultural programs and exchanges; health communication, disability policy and organization; cyber-conflict in global perspective; and mass media and terrorism. Usually offered every term.

SIS-629 Europe Core Seminar (3)

Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization in European countries.

SIS-630 Economic Policies in the European Union (3)

The course deals primarily with the development and governance of the European Union, and especially with the economic, monetary, and financial challenges the project has had to manage and try to overcome. Usually offered every spring.

SIS-631 Islamic Studies Core Seminar (3)

Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization, as well as the role of class, gender and ethnicity, which are integral in Islamic studies.

SIS-632 Microfinance: Concepts and Practical Tools (3)

This course focuses on aspects of non-traditional financial institutions in developing countries, popularly referred to as microfinance institutions (MFIs). The course familiarizes students with the policy, organizational, and technical aspects of microfinance, and provides the tools to evaluate and analyze the strengths and weaknesses of microfinance as a tool for economic development. Usually offered every fall.

SIS-633 Selected Topics in International Communication (1-3)

Topics vary by section, may be repeated for credit with different topic. Introduction to a specific technique or approach currently used in the international communication/cross-cultural communication field, focusing on intercultural training, multicultural negotiation, intercultural leadership, or another similar area. Usually offered every term. May be taken pass/fail only.

SIS-634 Field Survey Research Methods (3) This course provides basic training in designing a field-based research project in international development. It is structured to combine the theoretical aspects of international development with the practical aspects of testing their validity and applicability. Usually offered every spring. *Prerequisite:* SIS-600.

SIS-635 Advanced Topics in Development Management (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include rural development and managing economic and political reform. Usually offered every term.

SIS-636 Micropolitics of Development (3) This course introduces key social categories that affect politics and development at the local/micro/project level. These include class; status (including the operation of elites; bureaucrats, and development professionals); ethnicity; caste; gender, and differences based on culture and religion; and abilities/disabilities. It also emphasizes that these categories are fluid; time- and location-specific; and open to contestation. From an applied perspective; the material in this course provides a conceptual background for; and useful pointers towards; competent and informed social assessment. Reference is made to a number of practical tools including gender analysis; stakeholder analysis; social (impact) assessment; and participatory rural appraisal. The course also provides an opportunity to observe a number of case studies. Usually offered every term.

SIS-637 International Development (3) Alternative theories and definitions of development as expressed in the major international institutions (aid agencies, cartels, multinational corporations) concerned with the transfer of resources. Considers the problems of the "change-agent" in working for development and examines the major development issues. Usually offered every term.

SIS-638 Selected Topics in International Development Skills (1) Topics vary by section, may be repeated for credit with different topic. Introduction to a specific technique or approach currently used in the international development field, focusing on project planning, community development, action research, or another similar area. Usually offered every term. May be taken pass/fail only.

SIS-639 Selected Topics in International Conflict Resolution Skills (1-3) Topics vary by section, may be repeated for credit with different topic. Introduction to a specific technique or approach currently used in the international conflict resolution field, focusing on conflict resolution and reconciliation, mediation, interviewing, negotiation, or another similar area. Usually offered every term. May be taken pass/fail only.

SIS-640 International Communication (3) International communication as a field of inquiry and research: perspectives, theories, and assumptions underlying communication between nations and peoples; international flow of information and its implications in relations among nations and cultures. Usually offered every term.

SIS-641 Psychological and Cultural Bases of International Politics (3) Phenomena and problems of international relations in terms of underlying cultural and psychological forces. Theory of international relations from the point of view of the behavioral sciences. Usually offered every spring.

SIS-642 Intercultural Relations (3) This course examines the contribution of relevant social and behavioral sciences and the humanities to the study of intercultural and cross-cultural communication. Analysis of culture as communication and value-systems as essential communication. Usually offered every term.

SIS-643 Political Economy of International Communication (3) Examines the political and economic foundations, structures, and processes of contemporary international and global communication. Usually offered every other term.

SIS-644 Communication and Social and Economic Development (3) Examination of economic, communication, and development theories, the role of information and communication technology in social and economic development; transfer of technology and uses of communication in economic growth, social change, and national integration. Usually offered every spring.

SIS-645 International Communication and Cultural Policy (3) Designed for students and professionals in communication and culture, media, creative arts, public policy and international affairs, this course explores some of the most important areas of national, comparative and international policy shaping communication and culture in the twenty-first century. Students develop policy expertise for use in areas such as press freedoms, media and film policy; Internet policy, new digital media policy, and Internet censorship; intellectual property rights and foreign policy related to trade in cultural products and service; and constitutional rights of freedom of expression in comparative context. Particular emphasis is given to national arts policy and cultural policies that protect cultural rights of minorities; promote production and dissemination of new creative arts; preserve the national heritage in cultural traditions, national endowments and museums; construct and define national and cultural identity; support and subsidize national cultural industries; apply cultural content quotas; design and implement language policy; and defend cultural sovereignty. Usually offered every spring.

SIS-646 Information Systems and International Communication (3) Illustrates the major concepts and techniques that comprise systems perspectives. Particular attention to the application of systems concepts and related techniques to the flow of information in and across organizations set in a complex, interdependent and changing world. Case studies and action research complement class reading and discussion. Usually offered every spring.

SIS-647 Governance, Democracy, and Development (3) Reviews classical and contemporary perspectives on democratic transition, consolidation, and the development of good governance, with special attention to the role of foreign aid. Analyzes the role of civil society and social capital, considers the design of institutions such as constitutions, electoral systems, parties, and agencies of restraint, and also examines accountability, rule of law, and corruption. Usually offered every spring.

SIS-648 Women and Development (3) Provides the student with a critical evaluation of the main theoretical structures of feminism as applied to an analysis of the multiple facets of women's lives in the developing world. Explores the diverse socioeconomic, cultural, religious and political factors that affect women including the impact of development itself. Usually offered every fall.

SIS-649 Environment and Development (3) An overview of the multidisciplinary field of environment and development. This course focuses on debates concerning various human-made or development-related root causes of natural-resource degradation in the Third World. Special attention is paid to the relationship between the rural poor and the environment. The course also looks critically at recent innovative policy responses attempting to link environment and development. Students learn "root-cause analysis" to assess both the debates and the policy responses. Usually offered every spring.

SIS-650 Global Economy and Sustainable Development (3) An inquiry into the political economy of development; centered on two levels of analysis: the evolution of global economic activity in the post-World War II period; with primary focus on trade and foreign investment; and the relationship between such global economic interactions and sustainable development (in social, environmental, and economic terms) in Third World countries. Special attention is given to NGO (including labor unions); private sector and government initiatives to make trade and investment more supportive of socially and environmentally sustainable development. The course provides an introduction to corporate responsibility/accountability. Usually offered every term. *Prerequisite:* SIS-637 (may be taken concurrently) or permission of instructor.

SIS-651 Managing Economic Policy Reform (3) Addresses design and management of macroeconomic stabilization; privatization; social safety net; trade policy; financial sector; and public sector reform in developing countries. The course focuses on the impact of economic policy on the poor and also considers the politics of reform. *Prerequisite:* ECON-603 or equivalent with permission of instructor.

SIS-653 Topics in U.S. Foreign Policy (3) Topics vary by section, may be repeated for credit with different topic. Topics include substantive national security issues such as terrorism, non-proliferation, intelligence, and defense policies, as well as U.S. foreign policy toward specific regions or countries.

SIS-654 Africa Core Seminar (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization in African countries.

SIS-655 Asia Core Seminar (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization in Asian and Southeast Asian countries.

SIS-656 Contemporary International Relations of Western Europe (3) Theoretical approaches to the study of European integration. Evolution of West European unity since World War II with emphasis on the European Union, United States-West European relations since the 1960s, and contemporary issues of European security. Usually offered every spring.

SIS-657 International Economic Organizations: Public and Private (3) A study of the entrepreneurial, corporate, and governmental forces and organizations that have shaped international commerce and cross-border finance. The course examines how private-sector and official institutions in particular have become more or less relevant in light of fast-paced globalization since the 1960s, the challenges these institutions currently face, and how these institutions interact with and react to developments in commodity and financial markets. Usually offered every fall.

SIS-658 Financial Issues in Latin America (3) Systemic financial problems—fiscal banking currency and debt crises often in highly damaging combination—have loomed large in the economic history of Latin America. This course analyzes both the fundamental and precipitating causes of these financial crises, focusing on economic policy and institutional shortcomings as well as on other domestic and external forces that generate financial instability. Case studies are used to illustrate particular situations encountered in recent years. Usually offered every spring. *Prerequisite:* ECON-601 or permission of instructor.

SIS-659 International Relations of Russia and Central Eurasia (3) The study of Soviet and Commonwealth foreign policies within the analytical perspectives of international relations theory. Historical and contemporary analysis of interstate and inter-regional relations in areas of Russian and Soviet influence. Usually offered every fall.

SIS-660 Environment and Politics (3) This gateway course for students entering the SIS programs in Global Environmental Policy (GEP) and Natural Resources and Sustainable Development (NRSD) provides an introduction to environmental politics and policy, with emphasis on the international, transnational and global dimensions. The course lays a foundation for more advanced study by introducing conceptual frameworks, issue areas, and analytic approaches to the field. Usually offered every fall.

SIS-661 Russia and Central Eurasia Core Seminar (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization in Russia and Central Eurasian countries.

SIS-662 AU-Peruvian Diplomatic Academy Topics vary by section, may be repeated for credit with different topic. Students take courses at the Peruvian Diplomatic Academy. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-663 Washington Workshop: Advanced Studies and Research in Environmental Politics (3) This applied professional seminar meets with non-governmental organizations (NGOs) and government agencies at their offices in Washington, D.C. Students produce a major research paper while honing their professional goals and developing expertise in the practice of environmental politics and policy. Promotes a broad understanding of environmental institutions and their strategies and offers a structure for sustained research. Usually offered every spring.

SIS-664 Islam and Nationalism: Middle East (3) Lectures and discussions on secular nationalism and Islamic militancy in the Middle East and North Africa during the past one hundred years; the origins and characteristics of the movements; the conflict between them and its impact on the politics and international relations of the area; the emergence of neofundamentalist Islamic movements. Usually offered every spring.

SIS-665 International Trade Relations (3) An analysis of the multilateral trading system and its rules and practices; regional and bilateral trade and investment agreements; the political economy of protectionism; and issues involving services trade, migration, and foreign direct investments. Usually offered every fall. *Prerequisite:* SIS-616 or equivalent.

SIS-666 International Financial Relations (3) An analysis of the historical evolution of the international monetary system, the political economy of monetary regimes, and the pros and cons of alternative exchange rate policies. It also examines global conflicts over balance-of-payments adjustments as well as the transmission and management of international financial crises. Usually offered every spring. *Prerequisite:* SIS-616 or equivalent.

SIS-669 Human Rights in Latin America (3) This course examines some of the issues confronting human rights in Latin America today: how to remember, redress and repair human rights abuses under past authoritarian regimes; how to document and address rights abuses linked to the globalized movements of labor and people, as well as of indigenous peoples; what the role of the United States has been and should be; what the role of international and national non-governmental organizations is and ought to be; how to address non-political violence through human rights frameworks; and how to secure human rights in the region's armed conflicts. Although numerous cases are included, the course draws heavily on Colombia, El Salvador, Guatemala, Brazil, Uruguay, Ecuador, and Haiti. Usually offered every fall.

SIS-670 Americas Core Seminar (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization in Latin American countries.

SIS-671 Middle East Core Seminar (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics cover key themes in comparative and regional studies including politics, economy, identity, regional security, civil society, governance, foreign policy, democratization, and globalization in Middle Eastern countries.

SIS-672 Theories of Comparative and International Studies (3) Unlike the dominant tradition which divides comparative and international politics into separate areas of inquiry, this course bridges these two fields. Includes the rise of the modern state and its relation to historical capitalism and the nation; interactions between the state and the market; democratization and civil society; social movements; and global culture. Usually offered every term.

SIS-673 Comparative Political Economy (3) Political economy is examined by comparing countries and regions. Considers the possibilities and limits of transposing models of state and society from one region to another. Focus is on the division of labor, class and identity, the state, industrialization strategies, technological policy, cultural formation, and identity. Usually offered every term.

SIS-674 AU-China Studies Institute Program Topics vary by section, may be repeated for credit with different topic. Students study at the China Studies Institute in Beijing, China. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-675 Race in International Relations (3) The concept of race in international relations theory has acquired meaning through issues such as security/immigration policies and trans-national social/political movements. Focuses on the theoretical and practical implications of race as a significant factor in these and other international issues. Usually offered every spring.

SIS-676 Selected Topics in Cross-National Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics, usually with a comparative or regional focus, include political economy of Africa; theories of nationalism; etc.

SIS-677 AU-Carlos III University, Madrid Exchange (1-6) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-Universidad de Carlos III, Madrid exchange program. Usually offered every term.

SIS-679 AU-American University in Cairo (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at the American University in Cairo (AUC), Egypt. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-680 Topics in Research Methods in International Affairs (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics on qualitative research approaches in international affairs with a particular focus on case studies. Usually offered every spring.

SIS-681 Intelligence and Foreign Policy (3) The role of the CIA and other intelligence organizations in formulating and implementing U.S. foreign policy. Includes human and technical intelligence gathering; processing and analysis; dissemination of information to policy makers; covert action and counterintelligence; the relationship between intelligence organizations, the President, and Congress; and ethics and the conduct of intelligence activities. Usually offered every term.

SIS-682 Foreign Policy: Institutions and Processes (3) Analysis of American foreign and defense policy processes, including the role of the president, Congress, Departments of State and Defense, the intelligence community, and other actors and factors affecting policy formulation and implementation. Students participate in a simulation of the policy process addressing a real world issue. The exercise incorporates memo writing, public speaking, and other practical skills.

SIS-683 The President, Congress, and United States Foreign Policy (3) Who really makes U.S. foreign policy? This course assesses the foreign policy roles of the president and Congress, focusing on the power that each branch wields and how relations between them shape U.S. policy. The class examines cooperation and disputes between Congress and the president on issues such as treaties, the use of military force, trade agreements, and the funding of foreign policy programs. Usually offered every spring.

SIS-684 National Security Policy (3) This survey course covers core concepts and contemporary issues related to U.S. national security policy.

SIS-685 United States-Russian/Eurasian Security Relations (3) An intensive reading, research, and discussion seminar focusing on U.S. relations with Russia, its predecessor, and other Eurasian states as an interaction, stressing the security aspects of that interaction. The primary emphasis is on security relations in the postwar period, 1945 to the present. Two subthemes of the seminar are the role of strategic culture and the dynamics of threats. Usually offered alternate falls.

SIS-686 Proseminar in International Affairs I (3) This course is the first in a two course sequence, designed especially for Master of International Service (MIS) degree candidates. Providing an overview of new developments in international affairs, it connects theory to practice at the executive level in international affairs. Usually offered every fall. *Prerequisite:* admission to MIS program.

SIS-687 Proseminar in International Affairs II (3) This course is the second in a two course sequence, designed especially for Master of International Service (MIS) degree candidates. Focusing on professional strategies for coping with change and professional skills enhancement, the seminar also includes a capstone action research project. Usually offered every spring. *Prerequisite:* admission to MIS program.

SIS-688 Domestic Sources of United States Foreign Policy (3) This course examines how domestic politics affects foreign policy decision-making. Topics include the influence of the media, public opinion and interest groups on the formulation and implementation of foreign policy, importance of foreign policy to a president's popularity and electability, presidential attempts to sell national security issues, the "rally-round-the flag" phenomenon, obstacles posed by congressional partisan politics, press-government relations in war time, and the politics of military interventions.

SIS-689 Foreign Policy: Theories of Decision Making (3) This seminar examines theories about how states formulate foreign policy. The focus is on the decision-making process, including theories about individual rationality and cognition, information processing, risk taking, group dynamics, and bureaucratic politics, as well as the influence of domestic societal factors. The various theoretical approaches are applied to historical cases of international crises and intelligence failures, drawn primarily but not exclusively from American foreign policy.

SIS-690 Independent Study Project in International Studies (1-6) *Prerequisite:* permission of instructor and SIS graduate studies office.

SIS-691 Internship in International Affairs (1-6) Direct involvement in policy making through participation in a governmental agency or nongovernmental organization. *Prerequisite:* permission of internship coordinator and SIS graduate studies office.

SIS-692 International Internship (3-6) Internships that take place abroad. *Prerequisite:* permission of SIS Study Abroad.

SIS-693 Practicum: Action Research in Development Management (1-6) Action research supervised by a faculty member. This is the capstone activity for MS in Development Management students. The practicum takes place in and with the support of a development organization or a community. Its purpose is to work on a mutually agreed upon and definable task to improve some aspect of the management of the organization or the functioning of the community. The full practicum process involves participation in practicum group meetings; preparation of a series of planning exercises for the practicum; undertaking the practicum; and preparation and presentation of the practicum process report. *Prerequisite:* admission to MS in Development Management program and permission of instructor.

SIS-694 AU-Ritsumeikan Exchange (1-6) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in AU-Ritsumeikan Exchange program. Usually offered every term. *Prerequisite:* permission of SIS dean's office.

SIS-695 Research Seminar and Practicum in International Communication (3) This seminar prepares students to conceptualize, design, and present a substantial research paper (SRP), practicum project, or an academic thesis proposal by providing a comprehensive introduction to social science research methods and approaches applicable to a diverse range of interdisciplinary research interests. The seminar focuses on theory and practice, including hands-on training in research design, and project evaluation to support a SRP, practicum project, or master's thesis. Usually offered every spring.

SIS-697 AU-Korea University Exchange (1-6) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in AU-Korea University Exchange program. Usually offered every term. *Note:* Consult SIS graduate office.

SIS-698 AU-Sciences Po Exchange, Paris (1-6) Topics vary by section, may be repeated for credit with different topic. Course constitutes key element in American University-Sciences Po (Institut d'Etudes Politiques de Paris) exchange program. Usually offered every term. *Note:* Consult SIS graduate office.

SIS-710 Colloquium in International Relations (3) Topics vary by section, may be repeated for credit with different topic. Reading and discussion of literature and ideas in an aspect of the international relations field. Intensive dialogue between faculty members and doctoral students, MA students may be admitted with permission. Preparation for comprehensive examination. Offered irregularly.

SIS-725 Seminar on Law in International Affairs (3) The history and theory of international law, major areas of change in contemporary law, and the role of the practitioner. Research in students' special fields. Usually offered every spring.

SIS-730 Skills Institutes in International Affairs (1) Topics vary by section, may be repeated for credit with different topic. Introduction to a specific technique, approach, or skill used in the field of international affairs, including grant proposal writing, policy brief writing, public speaking, and strategic planning. Usually offered every term. May be taken pass/fail only.

SIS-740 Colloquium in International Communication (3) Intensive dialogue between faculty members and master's students in international communication. Offered irregularly.

SIS-750 Research and Professional Methods in International Affairs (3) Topics vary by section, may be repeated for credit with different topic. Topics cover methods used in the field of international affairs, including policy analysis, program evaluation, qualitative methods, and advanced quantitative methods. Usually offered every term.

SISG-760 International Studies: History, Theory, Practice (3) As befits the complexity of the realm it investigates, international studies is a multifaceted, interdisciplinary field, characterized more by recurrent debates and disagreements than by broadly consensual knowledge. This course begins by introducing three key controversies in the field: whether international politics is inevitably the domain of coercive force; whether actors on the international stage act based on interests or on ideas; and whether the international environment is relatively immutable or is amenable to more or less deliberate efforts to change it. It then explores how those controversies inform a variety of historical cases and contemporary issues. The focus throughout the course is on making explicit the principles and perspectives underlying different and divergent views of international relations, including the principles and perspectives brought to the course by the students themselves.

SISG-761 Intercultural Communication (3) This interdisciplinary course examines the interaction of people across cultures and considers topics such as cross-cultural communication, management and adaptation, intercultural negotiation, and how culture impacts conflict between individuals, cultures, and nations.

SISG-762 Global Governance (3) There exists a group of powerful but incomplete and often flawed institutions, including the World Bank, the United Nations, the International Monetary Fund, the International Criminal Court, the European Union, the African Union, and the North Atlantic Treaty Organization. Other less formal global governance initiatives have also emerged as important factors. Understanding the complex interactions between these initiatives and national governments and individuals is essential to understanding contemporary world politics. This course explores the history, role, and operations of organizations such as these. The course also investigates some of the broad theoretical approaches to studying international organizations and some of the most common critiques of the institutions' legitimacy and effectiveness.

SISG-764 International Economics (3) This course provides students with the tools and insights that economists have developed over the years to answer questions such as how countries exchange wealth in a world with hundreds of currencies; how it is determined if a country is richer or poorer than another; why do countries trade; what are the effects of trade, and many other questions about trade and monetary relations among open economies. It also explores the range of policy choices and the impact of those choices on people, countries, and the global economy.

SIS-770 AU-Pontificia Universidad Javeriana, Colombia (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Pontificia Universidad Javeriana in Bogota, Colombia. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-771 AU-Koc University, Turkey (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Koc University in Istanbul, Turkey. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-772 AU-Montpellier University, France (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Universite Montpellier in France. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-773 AU-Victoria University of Wellington, New Zealand (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Victoria University of Wellington in New Zealand. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-774 AU-St. Petersburg University, Russia (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at St. Petersburg University, Russia. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-775 AU-Norwegian University of Life Sciences (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Norwegian University of Life Sciences (UMB) in Aas, Norway. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-776 AU-Freie Universitat, Berlin (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Freie Universitat, Berlin. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-779 AU-Peking University, Beijing (1-12) Topics vary by section, may be repeated for credit with different topic. Students take courses at Peking University (PKU), Beijing. Usually offered every term. *Prerequisite:* permission of SIS Program Development Office.

SIS-780 Master's International (1-6) For students in the Master's International Peace Corps program. Usually offered every term. *Prerequisite:* permission of SIS Graduate Academic Advising Office.

SIS-790 Doctoral Independent Study in International Relations (1-6) *Prerequisite:* permission of instructor and PhD program director.

SIS-792 Practice of International Relations (3) This learning experience helps students integrate classroom learning about political, economic, and social issues of a specific country into their experiences outside the classroom. Usually offered every summer. *Prerequisite:* permission of SIS International Programs Office.

SIS-793 Practicum in International Affairs (3) Capstone experience for the MA in International Affairs. Usually offered every term. *Prerequisite:* permission of SIS Graduate Advising Office.

SIS-794 Substantial Research Paper with Coursework (3) Substantial research paper in conjunction with any 500-, 600-, or 700-level course in the School of International Service. *Prerequisite:* permission of department.

SIS-795 Master's Research Requirement (1-3)

SIS-797 Master's Thesis Supervision (1-6) May be taken SP/UP only. *Prerequisite:* permission of department.

SIS-799 Dissertation Seminar (1-12) SIS faculty, invited scholars, and doctoral students make formal scholarly presentations. Usually offered every term. *Prerequisite:* matriculation as a doctoral student in residence.

SIS-801 Schools of Thought in International Relations (3) This course provides a rigorous engagement with the main and emerging theories of international relations as well as critiques of those theories, and the different levels of analysis used in studying international relations. Usually offered every fall. *Prerequisite:* admission to the PhD in International Relations.

SIS-802 Comparative Politics (3) This course familiarizes PhD students with a broad selection of the most significant perspectives, theories, and methodologies used in comparative politics. Usually offered every fall. *Prerequisite:* admission to the PhD in International Relations.

SIS-803 Advanced Seminar in International Relations (3) This course provides an in-depth introduction to the main sub-fields in international relations including security, political economy, foreign policy, and international organizations. Usually offered every spring. *Prerequisite:* admission to the PhD in International Relations.

SIS-804 Social Theory in Comparative and International Perspective (3) This course explores theories of social structure, human agency, and power that inform enduring questions of social cohesion: how societies form, hold together, and fall apart. Students consider classical authors, historical approaches, and new theories. Attention is given to the extent to which social theory enriches knowledge of International Relations. Usually offered every spring. *Prerequisite:* admission to the PhD in International Relations.

SIS-806 Quantitative Methods in International Relations (3) This course is an epistemological and methodological survey of quantitative social scientific inquiry. It examines concept construction and measurement in statistical and other research techniques. Emphasis is placed on the analysis of data and substantive interpretation of results. *Prerequisite:* admission to the PhD in International Relations.

SIS-807 Qualitative Methods in International Relations (3) This course covers the history and practice of qualitative methodology. Students learn about the history of qualitative methodology and the ethics of conducting research on human subjects. Students also learn how to do specific qualitative methods, including ethnography, interviewing, discourse analysis, participatory action research, and case study analysis. Each method is learned through a hands-on application. Interdisciplinary in nature, the course also engages students with qualitative research in international studies, geography, anthropology, and sociology, as well as cross-disciplinary work. *Prerequisite:* admission to the PhD in International Relations.

SIS-809 Seminar on Advanced Research Design (3) An overview of social science research methodology issues guiding students in the design of their own research projects. *Prerequisite:* admission to the PhD in International Relations.

SIS-898 Doctoral Continuing Enrollment (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students with permission of program director.

SIS-899 Doctoral Dissertation (1-9) May be taken SP/UP only. *Prerequisite:* doctoral students who have advanced to candidacy with permission of program director.

International Service Study Abroad

Undergraduate Courses

SISA-210 Global Scholars Gateway (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on international studies. Taught at an international university or AU study center abroad. May be taken A-F only. Open only to Global Scholars students.

SISA-211 Topics in Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of Africa. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-212 Topics in East Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of East Africa. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-213 Topics in Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of Europe. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-214 Topics in Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of Latin America. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-215 Topics in Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of the Middle East. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-216 Topics in Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of Russia and/or Eurasia. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-217 Topics in South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the study of South Asia. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-219 Topics in International Studies (1-6) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on international studies. Taught at an international university or AU study center abroad. May be taken A-F only.

SISA-306 Introduction to International Studies Research (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on international studies research. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206.

SISA-327 Topics in Global Economy: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on South Asia and address issues of global political economy, international monetary and financial relations, and international trade and investment relations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-220.

SISA-330 Topics in Foreign Policy and National Security (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including U.S. defense politics, transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-331 Topics in Foreign Policy and National Security: Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Africa and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-332 Topics in Foreign Policy and National Security: East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on East Asia and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-333 Topics in Foreign Policy and National Security: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Europe and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-334 Topics in Foreign Policy and National Security: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Latin America and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-335 Topics in Foreign Policy and National Security: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on the Middle East and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-336 Topics in Foreign Policy and National Security: Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on Russia and/or Eurasia and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-337 Topics in Foreign Policy and National Security: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on South Asia and addressing issues of transnational security challenges, national security and proliferation, and critical global challenges. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-230.

SISA-340 Topics in Global Inequality and Development (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-341 Topics in Global Inequality and Development: Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Africa and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-342 Topics in Global Inequality and Development: East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on East Asia and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-343 Topics in Global Inequality and Development: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Europe and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-344 Topics in Global Inequality and Development: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Latin America and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-345 Topics in Global Inequality and Development: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Middle East and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-346 Topics in Global Inequality and Development: Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Russia and/or Eurasia and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-347 Topics in Global Inequality and Development: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on South Asia and address issues of comparative development strategies, community development, and youth and development. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-240.

SISA-350 Topics in Environmental Sustainability and Global Health (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-351 Topics in Environmental Sustainability and Global Health: Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Africa and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-352 Topics in Environmental Sustainability and Global Health: East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on East Asia and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-353 Topics in Environmental Sustainability and Global Health: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Europe and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-354 Topics in Environmental Sustainability and Global Health: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Latin America and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-355 Topics in Environmental Sustainability and Global Health: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the Middle East and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-356 Topics in Environmental Sustainability and Global Health: Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Russia and/or Eurasia and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-357 Topics in Environmental Sustainability and Global Health: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on South Asia and address issues of human geography, politics of population, international environmental politics, health in the developing world, and health communication. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-250.

SISA-360 Topics in Identity, Race, Gender, and Culture (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including race and international relations and cultural diplomacy and international education. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-361 Topics in Identity, Race, Gender, and Culture: Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in Africa. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-362 Topics in Identity, Race, Gender, and Culture: East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in East Asia. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-363 Topics in Identity, Race, Gender, and Culture: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in Europe. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-364 Topics in Identity, Race, Gender, and Culture: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in Latin America. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-365 Topics in Identity Race Gender Culture: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in the Middle East. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-366 Topics in Identity, Race, Gender, and Culture: Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in Russia and/or Eurasia. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-367 Topics in Identity, Race, Gender, and Culture: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focusing on issues of identity, race, gender, and culture in South Asia. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-260.

SISA-370 Topics in Justice, Ethics, and Human Rights (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-371 Topics in Justice, Ethics, and Human Rights: Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Africa and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-372 Topics in Justice, Ethics, and Human Rights: East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on East Asia and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-373 Topics in Justice, Ethics, and Human Rights: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Europe and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-374 Topics in Justice, Ethics, and Human Rights: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Latin America and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-375 Topics in Justice, Ethics, and Human Rights: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Middle East and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-376 Topics in Justice, Ethics, and Human Rights: Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Russia and/or Eurasia and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-377 Topics in Justice, Ethics, and Human Rights: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on South Asia and address issues of ethics in international affairs, human rights and culture, human rights and the media, and political violence. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-270.

SISA-380 Topics in Global and Comparative Governance (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics including international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-381 Topics in Global and Comparative Governance: Africa (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Africa and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-382 Topics in Global and Comparative Governance: East Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on East Asia and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-383 Topics in Global and Comparative Governance: Europe (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Europe and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-384 Topics in Global and Comparative Governance: Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Latin America and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-385 Topics in Global and Comparative Governance: Middle East (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on the Middle East and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-386 Topics in Global and Comparative Governance: Russia/Eurasia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on Russia and/or Eurasia and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-387 Topics in Global and Comparative Governance: South Asia (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics focus on South Asia and address issues of international law, comparative governing institutions, and leading global organizations. Taught at an international university or AU study center abroad. May be taken A-F only. *Prerequisite:* SISU-206 and SISU-280.

SISA-390 Independent Reading in International Studies (1-6) May be taken A-F only. *Prerequisite:* permission of instructor and SIS undergraduate studies office.

SISA-391 Internship in International Studies (1-6) May be taken A-F only. *Prerequisite:* permission of instructor and SIS undergraduate studies office.

Sociology

Undergraduate Courses

SOCY-100 U.S. Society FA4 (3) American pluralism and the variety of social arrangements and relationships found in the United States society. The emphasis is on how society is stratified; how organizations and institutions influence the way Americans think, talk, feel, and act; and how different groups (racial and ethnic) and divisions (gender and class) within society have differential access to power and privilege. Usually offered every term.

SOCY-110 Views from the Third World FA3 (3) Introduction to the sociology of the Third World through study of the works of its own intellectuals and political leaders. Reflections on Third World societal structures and explanations of dilemmas of development and of strategies for overcoming these dilemmas. The course links texts to their Third World context. Usually offered every term.

SOCY-150 Global Sociology FA4 (3) An introduction to sociology that focuses on the process of global social change as a critical factor in understanding contemporary societies. It emphasizes macrosociology (the study of large organizations and whole societies) and the creation of today's global society, including similarities and differences within it. Two major themes—modernization and globalization—are emphasized and their implications for individuals, groups, communities, societies, and governments are explored. Usually offered every term.

SOCY-205 Diverse and Changing Families FA4 (3) The family as a social institution in a changing society. Social inequalities of class, race, ethnicity, and gender as key factors in shaping diverse forms and experiences in family life. Theoretical and actual alternatives to family patterns as well as the future of the American family. Usually offered every term.

SOCY-210 Power, Privilege, and Inequality FA4 (3) Race, class, gender, sexuality, ability, and age are key factors in systematic marginalization and inequality. This course examines how some people suffer from inequalities while others benefit from them. It explores how power, privilege, and inequality are maintained through a range of social institutions and daily social interactions. It also cultivates intellectual insight and personal agency. Usually offered every term.

SOCY-215 The Rise of Critical Social Thought FA2 (3) Issues about social science as a critical vision of society; imagined social possibilities and their comparison to existing social institutions. Secondary themes are individual development, community, large societal institutions, the effects of industrialism and capitalism, and the limits of social science knowledge as a guide to social planning and social action. Usually offered every term.

SOCY-225 Arab Societies FA3 (3) This course introduces students to the twenty-two nations of the Arab world. Themes covered include popular images in the media, politics, economics, religion, and gender and sexuality. Comparisons between countries, both macro and micro, are emphasized throughout the course. Usually offered every term.

SOCY-235 Gender in Transnational Perspectives FA3 (3) Focusing on Third World women and social change in different cultural contexts and in the global political-economic system, this course emphasizes the centrality of women in the rapidly changing world, particularly in terms of work, distributive justice, development policy, democratization, and the environment. Usually offered every spring.

SOCY-310 Language, Culture, Power (3) This course cultivates insight into the ways that language and representation can (re)produce, maintain, and subvert relations of power, social identities, and social hierarchies. Discussions and readings develop insights into the various ways in which gender, sexuality, race, ethnicity, class, and ability are constructed and contested through systems of language and representation. The course is hands-on and students draw from course readings to examine a range of data including popular film, advertisements, newspaper articles, and social interactions. Usually offered every spring.

SOCY-315 Classical Social Theory (3) Examines the contributions of major thinkers in social theory. Focus on both "classical" thinkers, such as Marx, Durkheim, and Weber, and more contemporary theorists, such as George Herbert Mead, Talcot Parsons, and Simone de Beauvoir. Traces formative influences on existing schools of social theory. Usually offered every term. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-316 Contemporary Social Theory (3) Focus on contemporary social theories including postmodernism, feminism, neo-functionalism, rational choice, world-systems, and neo-Marxism. Traces relation--continuity and rupture--of current issues to classical traditions and important thinkers in social theory. Emphasis on issues of theory construction, evaluation, and critique. Usually offered every spring. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-320 Introduction to Social Research (3) An introduction to the major research methods in social science, their links to theory and practice, and their use in research projects. Usually offered every term. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-321 Sociological Reasoning with Quantitative Data (3) This course introduces the basics of sociological reasoning with quantitative data. In the course, students learn what kinds of sociological questions can be answered with quantitative data, develop a sense of statistical thinking, and gain the ability to conduct basic statistical analysis with SPSS. Usually offered every fall. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150. This course does not satisfy the University Mathematics requirement.

SOCY-322 Qualitative Research Methods (3) This course is an in-depth exploration of qualitative sociological research methods with an emphasis on the particularities of qualitative coding and data analysis. Students learn about interviews, content analysis, participant observation, comparative historical methods, and focus groups through readings and practical exercises. Usually offered every spring. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-335 Sociology of Birth and Death (3) One of the few common denominators among human beings is that each of us was born into this world and each of us will die. This course examines the sociological dimensions of human "entry and exit." It focuses on how society supports, controls, and constrains our arrival into and departure from the social world. The social, organizational, and cultural dimensions of birth and death are considered in terms of rites of passage, bureaucratization, social movements, cultural differences, and historical and contemporary contexts. Usually offered every fall. *Prerequisite:* SOCY-205 or permission of instructor.

SOCY-340 Israeli Society (3) This course explores the emergence of Israeli society and its changes over time. It reviews Israel's ideological and political foundations, the centrality of immigration, the emergence of Arab minorities and Jewish ethnic divisions, and assesses political, economic, religious, and family patterns within the broader Jewish and Palestinian communities. Usually offered every spring.

SOCY-345 Sociology of North Africa (3) Offered as part of the AU Abroad Morocco: Rabat program, this course is divided into three parts. The first focuses on Maghreb societies in the late nineteenth century, with specific emphasis on Moroccan society and culture and the multifunctional role of kinship and religion. The second is concerned with the study of socioeconomic structures during the colonial era. Finally, the third part focuses on similarities of structures and processes of socioeconomic change in North Africa. Attention is also given to culture and society in Egypt in order to underline similarities and differences with the Mahgreb.

SOCY-350 Social Problems in a Changing World (3) Sociological perspectives on the construction of social problems in a changing world. Focus on analysis of contrasting views and solutions for such conditions as global inequality, environmental degradation, population growth, inequalities based on economic class, race, gender, sexual orientation, and age, and institutional crises involving families, education, health care, crime, and justice. Usually offered every fall. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-351 Race and Ethnic Conflict: Global Perspectives (3) A focus on what happens when divergent types of persons experience social contact. Racial, ethnic, tribal, national, and religious interactions throughout the world. The processes include conflict, amalgamation, acculturation, assimilation, prejudice, and discrimination. Usually offered every fall. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-352 Women, Men, and Social Change (3) Focuses on gender as a basic organizational principle of social life in order to study the social construction of gender and how gender relationships are transformed in the process of social change. The course examines how race, class, and gender interact with culture in shaping the lives, social positions and relationships of diverse kinds of women and men in a changing world. Usually offered every spring.

SOCY-354 White Privilege and Social Justice (3) This course considers the social, legal, and media constructions of white racial identities in relation to issues of racial justice. It examines how white privilege intersects with gender, class, and sexuality. Students develop skills for multicultural alliances and strategies for antiracist activism. Usually offered every fall.

SOCY-367 Sociology of the City (3) The transition to a post-industrial society has led to a dramatic socio-political restructuring of major cities into complex systems of urban-suburban metropolises. Regional, national, and international forces are responsible for the contemporary growth and economic prosperity of suburban "edge" cities and the concentration of poverty and racial-ethnic/national minorities in the central city. This course explores the emerging international hierarchy of "global cities" with the socio-spatial patterns of inequality and political conflict. Usually offered every spring. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-370 Power, Politics and Society (3) Political sociology in a comparative global perspective including the role and functions of the state; relative state autonomy; state legitimacy; forms of democracy and democratization processes; state and civil society; political ideology and culture; and ethnicity, nationalism, and the state. Usually offered alternate springs. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150.

SOCY-389 Society and the Global Environment (3) Exploration into the relationship between social groups and the physical environment. Focus on the actions and reactions of public and policy groups in identifying and coping with environmental problems. Analysis of specific socio-environmental problems and the roles and methods of social scientists and others in social-impact assessment and social change. Usually offered every spring. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150 or ENVS-250.

SOCY-390 Independent Reading Course in Sociology (1-6)

Prerequisite: permission of instructor and department chair.

SOCY-490 Independent Study Project in Sociology (1-6)

Prerequisite: permission of instructor and department chair.

SOCY-491 Internship (1-6) Internship in social service, social change, and social research agencies. *Prerequisite:* SOCY-100 or SOCY-110 or SOCY-150 (internships in social research agencies require SOCY-320), and permission of departmental internship advisor and Career Center.

SOCY-492 Major Seminar in Sociology (3) This seminar serves as the capstone course for sociology majors and builds on all previous coursework in sociology. The class operates as a joint intellectual workshop in which students discuss and share ideas as they conduct original research culminating in a final thesis or project. Usually offered every spring. *Prerequisite:* sociology major with senior standing.

SOCY-498, SOCY-499 Honors: Senior Year (1-6) *Prerequisite:* permission of department and University Honors program.

Graduate and Advanced Undergraduate Courses

SOCY-515 Population Processes (3) Analysis of changing population dynamics across societies over time. This course considers the development of national populations that result from fertility, mortality, and migration patterns and how these population processes relate to social and economic developments in those societies. Demographic, sociological, and public health-oriented methods to study these processes are discussed and compared. Usually offered alternate springs. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-525 Social Advocacy and Social Change (3) Examines social change methods and mobilizing successful movements for social change: defining issues, forming constituencies, recruitment, choosing goals and strategies, criteria for choosing tactics, fundraising and resource mobilization, grassroots leadership development, handling the media, legislative coalitions and judicial remedies. Usually offered every spring. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-530 Social Movements and Social Change (3) This course explores the social and cultural dynamics of social movements from a transnational perspective. The focus is both theoretical and empirical. Students gain in-depth knowledge of how social movements create or resist social change and learn about social movements through analysis of specific empirical cases. Usually offered every fall. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-531 Transnational Reach (3) Topics vary by section, may be repeated for credit with different topic. This course examines the impact of transnationalism, whether corporate, migrant, governmental and/or other transnational process, on people's everyday lives in a specific area of the world, including Latin America, the Arab world, and Africa. The course encourages application of sociological knowledge to societies beyond the United States in order consider the relevance of sociological theories elsewhere in the world and develop a deeper understanding of other societies. Usually offered alternate falls. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-550 Sociology of Poverty and Wealth (3) A broad view of the varied sociological approaches to socio-economic stratification considered in terms of domestic, comparative-historical and international dimensions. Explores the functionalist, conflict and elite theories, methodologies of stratification, and the issues of social mobility, poverty and the welfare state. Investigates class formation and the social consequences of stratification on the individual, group and society. Usually offered every spring. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-551 Sociology of Latino Studies (3) Focusing on Latino populations and on Latino studies as an emergent field of study, this course references U.S. Latino populations as border populations, crossing over U.S./Latin American imaginaries. The "Latino" category helps problematize ethnic/racial categories, becoming a method of hybridity discussions. Though interdisciplinary, the course has a strong sociological foundation. Usually offered every spring. *Prerequisite:* three courses in sociology including SOCY-210, SOCY-351, or SOCY-354; or graduate standing.

SOCY-552 Sociology of Popular Culture (3) Popular culture is an increasingly central part of people's lives. This course acquaints students with major sociological theories of popular culture and applies them to areas including music, films, mass media, race, identity, novels, love, and sex. Usually offered every fall. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-553 Intersectionality: Theory and Research (3) This course examines intersectionality as both an analytical tool and a conceptual framing that has developed into a broad web of theoretical and empirical work examining how race, class, and gender interact in meaningful and complex ways. The focus includes important methodological assumptions and complications of intersectionality, as well as contemporary challenges such as the discussions of positionalities ignored in initial framings of intersectionality, including age, disability, and sexuality. Usually offered alternate springs. *Prerequisite:* three courses in sociology including SOCY-210, SOCY-351, or SOCY-354; or graduate standing.

SOCY-570 Sociology of Gender and Family (3) The study of gender and family as basic principles of the social order and primary social categories. Introduces students to the theories, data sources and applications of family structures and gender relationships in the United States and cross-culturally. Usually offered every fall. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-580 Social Policy Analysis (3) Examines the variety of conceptual frames that social scientists use in analyzing social policies and provides a basis for their selection. A second part deals with the detailed analysis of case studies and introduces practitioners who contributed to them. Usually offered every fall. *Prerequisite:* graduate standing or three courses in sociology.

SOCY-590 Independent Reading Course in Sociology (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

SOCY-610 History of Sociological Theory (3) Comparative study of major theorists in the nineteenth and twentieth centuries. Usually offered every fall.

SOCY-611 Sociological Theory (3) An overview of major classical through contemporary theories. Problems of theory construction. Areas of focus vary according to the expertise of the instructor. Usually offered every fall.

SOCY-620 Social Research Methods (3) Focuses on both qualitative and quantitative data collection. Emphasizes research practice, formulation and specification of research questions, ethics, development of research designs, fieldwork, interviewing, coding, measurement, and questionnaire design. Usually offered every fall.

SOCY-621 Quantitative Analysis (3) This course focuses on data analysis of categorical and survey data including percentage tables and measures of association; analysis of continuous data using regression models; includes dummy variable, graphical tools, and assessment of supporting diagnostics. Usually offered every spring.

SOCY-623 Qualitative Research (3) This course provides training in qualitative research that begins with issues of qualitative epistemologies and methodologies and includes a range of research methods. Students also gain experience in research design as well as in the collection, management, and analysis of qualitative data. Usually offered every fall.

SOCY-635 Social Inequalities and Social Justice (3) This seminar explores the social construction and institutionalization of social inequalities; the historical, economic, and political roots of social inequalities; the ideologies and discourses that buttress and challenge power relations; and advocacy and activism for transformative social change. Usually offered alternate springs.

SOCY-640 Israeli Society (3) This course explores the emergence of Israeli society and its changes over time. It reviews Israel's ideological and political foundations, the centrality of immigration, the emergence of Arab minorities and Jewish ethnic divisions, and assesses political, economic, religious, and family patterns within the broader Jewish and Palestinian communities. Usually offered every spring.

SOCY-655 Language Discourse and Society (3) This course has a specific focus on the politics of representation, the cultural struggles over how events, processes, institutions, and people are to be understood. Students learn contemporary theories and methods for understanding systems of signification in the production, maintenance, and subversion of historical relations of power. By using key concepts to examine data drawn from sources such as old and new media, interviews, advertisements, cultural artifacts, and social interaction, students cultivate nuanced understandings of the course readings. Usually offered alternate falls.

SOCY-669 Gender, Sexuality, and Migration (3) This course is centered on the uses of gender and sexuality in studying migration patterns, immigration policies, and the personal meanings given to these by individuals. The class interrogates the use of gender and sexuality in studying (im)migration patterns and policies and unpacks the relationship between gender and sexuality by looking at various migrations, or movements, between the categories themselves, and also through specific cases of the relationship to citizenship and the state to that of (im)migration and racialization. Usually offered alternate falls.

SOCY-684 Seminar in Public Sociology (3) Students review and analyze how well-known sociologists participate in public discourse through theoretically-grounded debate on pressing social issues; gain appreciation of sociology's application to the public sphere; experience first-hand involvement in civic discourse on policy and the antecedent factors underlying social problems, and participate in constructing and evaluating social theories to inform civic discourse. Usually offered every fall.

SOCY-689 Environmental Sociology (3) Exploration into the relationship between social groups and the physical environment. Focus on the actions and reactions of public and policy groups in identifying and coping with natural and technological problems. Analysis of specific socio-environmental problems and the roles and methods of social scientists and others in social-impact assessment and social change. Usually offered alternate springs.

SOCY-690 Independent Study Project in Sociology (1-6) *Prerequisite:* permission of instructor and department chair.

SOCY-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

SOCY-695 Internship Seminar in Public Sociology (3) Students share and discuss internship experiences. They gain an understanding of the sociological skill set applied to career opportunities and the challenges sociologists confront as they work with non-academic audiences such as policy analysts, business persons, government and nonprofit leaders, and applied social scientists, as well as issues faced by organizational leaders in funding, political controversy, organizational politics, and competition among nonprofit and/or governmental agencies. Usually offered every spring.

SOCY-795 Master's Research: Independent Study in Sociology (3) Directed research under the supervision of a faculty member selected by the student. Preparation of a substantial research report on a topic related to the student's field of concentration. *Prerequisite:* permission of instructor.

SOCY-797 Master's Thesis Research (1-6) May be taken SP/UP only. *Prerequisite:* permission of department.

Statistics

Note: Students should consult the department for advice and placement testing for appropriate mathematics and statistics courses.

Undergraduate Courses

STAT-202 Basic Statistics (4) Data presentation, display, and summary, averages, dispersion, simple linear regression, and correlation, probability, sampling distributions, confidence intervals, and tests of significance. Use of statistical software both to analyze real data and to demonstrate and explore concepts. Usually offered every term. *Prerequisite:* MATH-15x or higher or permission of department.

492 Course Descriptions

STAT-203 Basic Statistics with Calculus (4) A calculus-based introduction to basic statistics including data presentation, display and summary, correlation, development of least squares regression models, probability, independence, probability density functions, moments, use of moment generating functions, sampling distributions, confidence intervals, and tests of significance. Concepts are explored through simulation and the use of the calculus tools of finding maxima and minima of a function and the area under a curve. Usually offered every term. *Prerequisite:* MATH-221 or one semester of calculus.

STAT-302 Intermediate Statistics (3) Methods include techniques for estimation and inference with qualitative and quantitative data focusing on simple linear and multiple regression, correlation, logistic regression, and analysis of variance. Usually offered every term. *Prerequisite:* STAT-202 or STAT-203 with a grade of C or higher, or permission of department. *Note:* Students may not receive credit for STAT-302 and STAT-514.

STAT-320 Biostatistics (3) This course examines how statistical methods are utilized within the fields of biology, medicine, and public health. Advanced statistical methods, including ANOVA, multiple regression, analysis of covariance, survival analysis, and nonparametric methods are discussed, with emphasis on their applicability to public health. Usually offered every spring. *Prerequisite:* STAT-202 or STAT-203.

STAT-390 Independent Reading Course in Statistics (1-6) *Prerequisite:* permission of instructor and department chair.

STAT-490 Independent Study Project in Statistics (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate and Advanced Undergraduate Courses

STAT-502 Introduction to Mathematical Statistics (3) Probability, probability distributions, sampling, sampling distributions, and introduction to the theory of point estimation and statistical inference, including confidence intervals and hypothesis testing. Usually offered every spring. *Prerequisite:* MATH-501 or permission of instructor.

STAT-510 Introduction to Survey Sampling (3) This course introduces the basic approaches to surveys, including simple random, systematic, and stratified sampling. Also included is the design of questionnaires and the analysis of sample data. Emphasis is on the practical application of sampling. Usually offered alternate falls. *Prerequisite:* STAT-202 or STAT-203 or STAT-514, or equivalent, or permission of instructor.

STAT-511 Theory of Sampling (3) This course covers the mathematical development of the principles of survey design, including methods for determining expected value, bias, variance, and mean square error; simple random, systematic, stratified, cluster, multi-stage, and double sampling; unbiased, ratio, regression and composite estimation; measurement error; and comparison of alternative designs. Usually offered alternate springs. *Prerequisite:* STAT-502 and STAT-510, or equivalent, or permission of instructor.

STAT-514 Statistical Methods (3) Averages, dispersion, probability, sampling, and approach to normality; simple and multiple regression; tests and confidence intervals for means, proportions, differences, and regression coefficients; nonparametric statistics; and analysis of variance. Usually offered every term. *Prerequisite:* STAT-202 or STAT-203 or equivalent. *Note:* Does not carry credit for graduate programs in mathematics or statistics; students may not receive credit for STAT-514 and STAT-302.

STAT-515 Regression (3) Simple and multiple regression, least squares, curve fitting, graphic techniques, and tests and confidence intervals for regression coefficients. Usually offered every fall and summer. *Prerequisite:* STAT-302 or STAT-514 or equivalent.

STAT-516 Design of Experiments (3) Design and analysis of the results of balanced experiments, simple analysis of variance, components of variance, analysis of covariance, and related subjects. Usually offered every spring. *Prerequisite:* STAT-302 or STAT-514 or equivalent.

STAT-517 Special Topics in Statistical Methodology (3) Topics vary by section, may be repeated for credit with different topic. Alternating topics in statistics from an applied viewpoint. Topics include sampling, multivariate techniques, factor analysis, and time series. Usually offered alternate summers (odd years). *Prerequisite:* STAT-302 or STAT-514 or equivalent.

STAT-519 Nonparametric Statistics (3) Application of nonparametric techniques in the analysis of social-science data, with emphasis on tests appropriate for data having interval, nominal, and ordinal scales. Usually offered alternate falls (even years). *Prerequisite:* STAT-302 or STAT-514 or equivalent.

STAT-520 Applied Multivariate Analysis (3) Introduction to multivariate analysis emphasizing statistical applications. Includes matrix theory, multivariate distributions, tests of hypotheses, multivariate analysis of variance, principal components, discriminant analysis, canonical correlation, multivariate regression, and related subjects. Usually offered alternate falls (odd years). *Prerequisite:* STAT-302 or STAT-514 or equivalent.

STAT-521 Analysis of Categorical Data (3) Chi-square tests, contingency tables (2×2 , $r \times c$, and multidimensional), loglinear models, and other special models. Usually offered alternate springs (even years). *Prerequisite:* STAT-302 or STAT-514 or equivalent.

STAT-522 Time-Series Analysis (3) An introduction to the theory of time-dependent data. The analysis includes modeling, estimation, and testing of data in the time domain using autoregressive and moving average models. Usually offered alternate springs (odd years). *Prerequisite:* STAT-515 or STAT-520 or permission of instructor.

STAT-524 Data Analysis (3) An introduction to exploratory data analysis and modeling, using the statistical package R, including data structures, graphics, and function programming. Usually offered every spring. *Prerequisite:* STAT-515 or STAT-520 or equivalent.

STAT-525 Statistical Software (3) Introduction to the use of the SAS language to prepare, modify, and analyze data, interpret output and final preparation of results. Emphasis on practical programming principles and use of built-in procedures. Comparisons with other programming languages. Usually offered every fall. *Prerequisite:* STAT-514 or two statistics courses, or permission of instructor.

STAT-530 Mathematical Statistics I (3) Probability, random variables, probability distributions and functions of random variables, generating functions, order statistics, the theory of point estimation, (maximum likelihood, minimum variance unbiased estimators, confidence intervals), and theory of hypothesis testing (Neyman-Pearson, likelihood ratio, etc.). Usually offered every fall. *Prerequisite:* MATH-310, MATH-313, and STAT-502 or equivalent.

STAT-531 Mathematical Statistics II (3) Probability, random variables, probability distributions and functions of random variables, generating functions, order statistics, the theory of point estimation, (maximum likelihood, minimum variance unbiased estimators, confidence intervals), and theory of hypothesis testing (Neyman-Pearson, likelihood ratio, etc.). Usually offered every spring. *Prerequisite:* STAT-530 or equivalent.

STAT-584 Introduction to Stochastic Processes (3) Introduction to random walks, Markov chains and processes, Poisson processes, recurrent events, birth and death processes, and related subjects. Usually offered alternate springs. *Prerequisite:* MATH-501 or STAT-530.

STAT-590 Independent Reading Course in Statistics (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

STAT-600 Advanced Mathematical Statistics (3) Theory of estimation, properties of estimators, large-sample properties and techniques, and applications. Usually offered every fall. *Prerequisite:* STAT-531.

STAT-601 Topics in Advanced Probability and Statistics (3) Topics vary by section, may be repeated for credit with different topic. Mathematical foundations of statistical theory. Special topics in probability and mathematical statistics. Usually offered alternate springs (odd years). *Prerequisite:* permission of instructor.

STAT-610 Statistical Inference: Estimation (3) The mathematical foundations of statistical inference; the Theory of Estimation including minimum risk-, Bayes-, minimax-, and equivariant estimation; decision theory; and large sample behavior. Usually offered alternate falls (even years). *Prerequisite:* STAT-600.

STAT-616 Generalized Linear Models (3) Extension of regression methodology to more general settings where standard assumptions for ordinary least squares are violated. Generalized least squares, robust regression, bootstrap, regression in the presence of auto-correlated errors, generalized linear models, logistic and Poisson regression. Usually offered every spring. *Prerequisite:* STAT-515 and a course in calculus.

STAT-690 Independent Study Project in Statistics (1-6) *Prerequisite:* permission of instructor and department chair.

STAT-691 Internship in Statistics (1-6) Individual placement and supervision in an approved organization involving statistical analysis, methodology, or theory. *Prerequisite:* permission of instructor and department chair.

STAT-797 Master's Thesis Research (1-6) May be taken SP/UP only.

STAT-798 Statistical Research and Consulting (1) Topics vary by section, may be repeated for credit with different topic. Topics chosen from recent research in statistics. Through written reviews and oral presentations, students investigate advances in statistical theory and applications in recent journals. Through interaction with other departments, students learn to formulate statistically problems expressed in the language of another discipline and interact in a consulting role with researchers outside of statistics. Usually offered every fall. *Prerequisite:* permission of department.

TESOL (Teaching English to Speakers of Other Languages)

Graduate and Advanced Undergraduate Courses

TESL-500 Principles of Linguistics (3) Introduction to scientific study of language with emphasis on current linguistic trends. Foundations for further study in linguistics and methodology of language teaching. Usually offered every term.

TESL-501 English Language Teaching I (3) Introduction to theories and principles of English language teaching, language acquisition, and a review of various methods and approaches used in language teaching, leading to an understanding of the development of the communicative approach. Provides opportunities for peer teaching and requires observation of English language classes, along with tutoring or teaching of English to non-native speakers. Usually offered every fall and summer.

TESL-502 English Language Teaching II (3) Focuses on evaluation and development of lesson plans and teaching materials designed to teach grammar, language functions, speaking, reading, listening, and writing skills within a communicative approach. Also addresses various aspects of classroom management. Provides opportunities for peer teaching and requires observation of English language classes, along with tutoring or teaching of English to non-native speakers. Usually offered every spring and summer. *Prerequisite:* TESL-501 or permission of instructor.

TESL-503 Structure of English (3) Explores the complexities of spelling and word formation, grammatical structure, and semantic relations in English. Various approaches to grammatical analysis are covered, but the emphasis is on developing the practical foundations necessary for effective teaching, rather than on theoretical models. Usually offered every spring. *Prerequisite:* TESL-500.

TESL-522 Language Acquisition (3) How and why do children learn language? Investigates language acquisition during the first five years (both speech and the rudiments of literacy). Major themes include the dynamics of the "language duet" between children and adults, variation across children, bilingualism, and the emergence of language awareness. Usually offered alternate falls.

TESL-523 Second Language Acquisition (3) Theories of second language acquisition and how they relate to trends in society and in education and related disciplines. Current theory in cognitive and affective domains as it relates to second-language learning. Usually offered every spring and summer.

TESL-524 Reading and Writing in the ESL/EFL Classroom

(3) Introduction to theories of how we read and write as well as the instruction of these skills. The major focus is on practical approaches to teaching reading and writing skills to varied student populations, including children in public schools, young adults in pre-academic learning environments, and literacy-challenged adults in adult education programs. Usually offered every spring and summer.

TESL-527 Cultural Issues in the ESL/EFL Classroom (3)

Coverage of the principles of intercultural communication and discourse-oriented models for analyzing cross-cultural interactions. Within this framework, the course considers approaches to enhancing the cultural dimension of ESL/EFL instruction with an emphasis on using and developing various types of cultural training techniques. Usually offered every spring and summer.

TESL-528 Foundations of Bilingual Education (3) Language acquisition, use, and competency in a bilingual setting, and the general goal of bilingual education. Usually offered every third semester. *Prerequisite:* permission of instructor.

TESL-531 Language Assessment (3) This course focuses on the process of testing/assessing students' language proficiency with respect to different language skills in the language classroom and the steps involved in this process. A practical approach provides opportunities for evaluating existing tests and assessment procedures, designing test/assessment instruments, scoring/evaluating language tests, and exploring dilemmas inherent in assessment. Usually offered every fall.

TESL-541 Teaching Grammar (3) The functions that grammar fulfills in oral and written communication. Teaching the structures of grammar within a communicative framework in meaningful, authentic lessons, and the design of effective teaching materials. Usually offered every fall. *Prerequisite:* TESL-501 and TESL-503, or permission of instructor.

TESL-542 Teaching Pronunciation: Theory and Practice (3)

An introduction to the formal analysis of phonetics and phonology with techniques for incorporating these into practical classroom instruction. An emphasis on problem-solving strategies with respect to data, and on effective low-cost techniques for instruction. Usually offered every spring. *Prerequisite:* TESL-500.

TESL-545 Curriculum and Materials Design (3)

A needs-based, learning-centered approach to designing ESL or EFL courses, from creating and structuring curriculum to materials design, with emphasis on planning blocks of instruction larger than lesson plans. Students propose and design a curriculum for an actual learner audience of their choice through needs assessment, identification of curricular goals and course objectives, content sequencing and planning, and course evaluation. Usually offered every fall. *Prerequisite:* TESL-501.

TESL-554 Technology for Language Learning and Teaching

(3) An introduction to the use of technology for foreign/second language teaching in a variety of educational contexts. Includes exploration of new media technologies, such as wikis, online course management systems (CMS), and digital stories, as well as the use of Internet-based resources and software in both high- and low-tech teaching environments. *Prerequisite:* basic computer skills and TESL-501, or permission of instructor.

TESL-560 TESOL Topics (1-3) Topics vary by section, may be repeated for credit with different topic. Topics include teaching pronunciation, the lexical approach to language teaching, learning disabilities in the ELT classroom, EFL methodology, and multi-level/multicultural classrooms. Usually offered every term.

TESL-590 Independent Reading Course (1-6) *Prerequisite:* permission of instructor and department chair.

Graduate Courses

TESL-620 English Language Teaching III (3) Focuses on honing teaching skills and theoretical knowledge developed through the TESOL program. Issues of classroom management, effective structuring of classroom discourse, lesson planning, and diagnosing and responding to learner needs are all addressed. Students engage in field experience (observation and teaching), peer teaching and review, and self-reflection on previous teaching and learning experiences with the goal of developing effective teaching practices. Usually offered every fall. *Prerequisite:* TESL-501 and TESL-502.

TESL-690 Independent Study Project (1-6) *Prerequisite:* permission of instructor and department chair.

TESL-691 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

TESL-693 AU/Peace Corps Internship (6) For students in the MA in TESOL AU/Peace Corps program. *Prerequisite:* permission of program director.

TESL-797 Master's Thesis Research (1-6) For students in the MA in TESOL program pursuing the thesis option. May be taken SP/UP only. *Prerequisite:* permission of program director.

Undergraduate Studies

Undergraduate Courses

UGST-100 Career Exploration and Development (1) This course gives students an introduction to the career development process, from career exploration through self marketing to find a job. Through self assessment, exploration, and reflection, students refine and identify potential career interests, and gain an understanding of how their major links to careers, as well as an increased awareness of their own skills. The course emphasizes that career planning is not an event in time but rather an ongoing lifelong process.

Women's, Gender, and Sexuality Studies

Undergraduate Courses

WGSS-125 Gender in Society FA4 (3) This course focuses on the social construction of gender along with other forms of social inequality; representations of gender that permeate all forms of cultural experience; and theoretical arguments regarding key issues such as equality, ethics and politics, as well as debates at the frontier of gender theory. Usually offered every fall.

WGSS-150 Women's Voices through Time FA2 (3) This course focuses on distinctive contributions of women to Western artistic and intellectual traditions; significant articulations of human experience expressed by women through literature, art, and history; how such traditions became established; and how women, despite obstacles, have produced lasting works of ideas and imagination. Usually offered every spring.

WGSS-225 Gender, Politics, and Power FA4 (3) This course explores the ways in which the social and cultural construction of sexual difference influences the nature and practice of political life over time and in a variety of countries. It examines the ways in which power is gendered and studies how gender has served as a basis for political organization and a critique of public life. Usually offered every fall.

WGSS-240 Sexualities Studies FA4 (3) This course explores the history of the formation of categories of analysis, such as sex, gender, and sexuality/desire, in relationship to fields of knowledge production about sexuality. The course considers the significance of the field of sexuality studies emergent in the United States, and the relationship of sexuality, something commonly thought of as intimate, to the realm of the institutional, discursive, and policy, that is, the social. Usually offered every spring.

WGSS-340 Introduction to Queer Studies (3) This course considers the theoretical influences/critical thinking about sex, gender, and sexuality. It maps a trajectory from feminist and feminist of color critiques to current queer theoretical approaches, assuming the term queer as both a destabilizer of identities as well as a contemporary framework for thinking critically about gender and desire. Usually offered every fall. *Prerequisite:* WGSS-240.

WGSS-350 Interpreting Gender in Culture (3) Topics vary by section, may be repeated for credit with different topic. An exploration of diverse aspects of gender experience from different disciplinary perspectives. Rotating topics focus on specific subjects, integrating recent scholarship and interdisciplinary contexts. Representative topics include gender and violence, gay and lesbian documentary, masculinities, and international feminisms.

WGSS-400 Feminist, Gender, and Sexuality Theory (3) Examines theories of gender and sexuality as constructed or problematic, not natural or immutable. Surveys the historic development of theories of women's inequality and strategies for changes. Probes contemporary issues and conflicts within feminist, gender, and sexuality theory. Theorizes gender relations in students' own lives. Forges understandings across divisions of race, class, nationality, ability, sexualities, and sexual orientation. Usually offered every spring. *Prerequisite:* WGSS-125 and one other WGSS course, or permission of director.

WGSS-490 Independent Study Project in Women's, Gender, and Sexuality Studies (1-6) *Prerequisite:* permission of instructor and program director.

WGSS-491 Internship in Women's, Gender, and Sexuality Studies (1-6) *Prerequisite:* WGSS-125 and permission of instructor and program director.

WGSS-498 Senior Honors Project in Women's, Gender, and Sexuality Studies (3) *Prerequisite:* WGSS-500.

Graduate and Advanced Undergraduate Courses

WGSS-500 Current Issues and Research in Women's, Gender, and Sexuality Studies (3) This course focuses on philosophies, methods, and theories entailed in doing scholarly work in women's, gender, and sexuality studies. The course entails close examination of selected current works in the discipline; collaborative work developing bibliographies and designing research activities; and individual work in the field. Usually offered every fall. *Prerequisite:* WGSS-400 or permission of program director.

WGSS-590 Independent Reading Course in Women's, Gender, and Sexuality Studies (1-6) *Prerequisite:* permission of instructor and program director.

Graduate Courses

WGSS-600 Feminist, Gender, and Sexuality Theory (3) Examines theories of gender and sexuality as constructed or problematic, not natural or immutable. Surveys the historic development of theories of women's inequality and strategies for changes. Probes contemporary issues and conflicts within feminist, gender, and sexuality theory. Theorizes gender relations in students' own lives. Forges understandings across divisions of race, class, nationality, ability, sexualities, and sexual orientation. Usually offered every spring.

WGSS-690 Independent Study Project in Women's, Gender, and Sexuality Studies (1-6) *Prerequisite:* permission of instructor and program director.

WGSS-691 Internship in Women's, Gender, and Sexuality Studies (1-6) *Prerequisite:* permission of instructor and program director.

World Languages and Cultures

COURSES BY LANGUAGE

Note: Students with three years of high school preparation in a language normally register for 200-level courses. Students with four years of high school preparation normally register for 300-level courses.

ARABIC

ARAB-102 Arabic Elementary I (5) Introduction to modern standard Arabic used in formal situations, meetings, instruction in schools and universities around the Arab world, and the media. The phonology and script of the language, important syntactic structures, morphology, understanding simple material including frequent structural patterns and vocabulary. Usually offered every fall.

ARAB-103 Arabic Elementary II (5) Continuation of ARAB-102. Usually offered every spring. *Prerequisite:* ARAB-102 or equivalent.

ARAB-106 First Level Arabic (4) Offered through AU Abroad programs in Cairo and Rabat. This course introduces the Arabic alphabet and sound system forms. Students start developing their vocabulary via specific structures presented in the textbook. They learn simple grammatical structures and listen to authentic and instructional materials that come with the textbook. Course exercises and activities are task-based and student-centered. Students learn to distinguish and produce the elements of the sound and writing systems of Arabic; successfully use formulaic and functional phrases; follow and extract the gist of short written and spoken texts in the news; learn aspects of Arabic culture useful in daily life; and produce basic formulaic speech in conversations in appropriate contexts.

ARAB-116 Colloquial Moroccan Arabic (3) Offered as part of the AU Abroad program in Rabat, Morocco. Moroccan Arabic is a blend of Arabic, Spanish, and French. It is regarded as a dialect, and generally not written. This elementary-level course covers basic functions and survival situations. Usually offered every term.

ARAB-202 Arabic Intermediate I (5) Further practice in conversation; acquisition of new grammatical structures and vocabulary. Includes cultural subjects related to customs, history, geography, and literature. Usually offered every fall. *Prerequisite:* ARAB-103 or equivalent.

ARAB-203 Arabic Intermediate II (5) Continuation of ARAB-202. Usually offered every spring. *Prerequisite:* ARAB-202 or equivalent.

ARAB-206 Second Level Arabic (4) Offered through AU Abroad programs in Cairo and Rabat. This course consolidates material learned in first level Arabic and introduces students to more advanced and more challenging linguistic and cultural material. Students learn to successfully manage in Arabic, using basic sentence patterns, basic conversational tasks in different social situations; describe physical entities in simple sentences; and extract essential information on familiar topics from simple texts. *Prerequisite:* ARAB-102 or ARAB-106 or equivalent.

ARAB-302 Advanced Arabic I (4) This course introduces elements in the more advanced grammatical structures of Modern Standard Arabic (MSA) using a functional approach, and helps students develop skills in literary genres necessary for understanding authentic readings and discourse. Promotes the active use of MSA by using literary and culturally authentic selections of texts. Emphasis is on the development of effective application of thematic contexts from readings, and developing accuracy in written and oral communication. The course reviews and reinforces previously acquired grammatical structures, and expands vocabulary through extensive practice and analysis of MSA style from literary, political, social, and economic aspects of Arab culture and language. *Prerequisite:* ARAB-203 or equivalent.

ARAB-303 Advanced Arabic II (4) Continuation of ARAB-302. *Prerequisite:* ARAB-302 or equivalent.

ARAB-304 Levantine Colloquial Arabic I (4) This course introduces students to Levantine Colloquial Arabic, focusing on the development of speaking and listening skills in the Palestinian dialect, while building proficiency in the fundamental grammatical structures of the language. Given its central geographic location, the Palestinian dialect (closely related to the Syrian, Lebanese, and Jordanian dialects) is understood throughout the Arabic-speaking Middle East. Usually offered every fall. *Prerequisite:* ARAB-203 or equivalent.

ARAB-305 Levantine Colloquial Arabic II (4) This course is a continuation of ARAB-304, focusing on the further development of speaking and listening skills in the Palestinian dialect, while building proficiency in the fundamental grammatical structures of the language. Given its central geographic location, the Palestinian dialect (closely related to the Syrian, Lebanese, and Jordanian dialects) is understood throughout the Arabic-speaking Middle East. Usually offered every spring. *Prerequisite:* ARAB-304 or equivalent.

ARAB-306 Third Level Arabic I (4) Offered through AU Abroad programs in Cairo and Rabat. This course reinforces linguistic skills at both the reception and production levels. Students learn to use basic conversational tasks successfully in different social situations; understand and use basic grammatical rules; read mid-size texts; extract the main ideas of non-technical texts and video materials and be able to discuss important ideas; develop

conversational skills using a variety of language functions; engage in a variety of daily conversations; and give short presentations on topics of interest. *Prerequisite:* ARAB-203 or ARAB-206 or equivalent.

ARAB-307 Third Level Arabic II (4) Offered through AU Abroad programs in Cairo and Rabat. Continuation of ARAB-306. Students perform linguistic tasks successfully, gaining self-confidence, and expanding their risk-taking in real-life communicative situations. They learn to guess the meaning of new words from contexts; write short paragraphs correctly; read authentic material from Arabic advertisements, short narratives, descriptions of people and places, simple contemporary poetry, topics on Arab culture, etc.; write informal and formal letters; and write medium length compositions on familiar topics, including descriptions and short narratives. *Prerequisite:* ARAB-302 or ARAB-306 or equivalent.

ARAB-390 Independent Reading in Arabic (1-6) *Prerequisite:* permission of instructor and department chair.

ARAB-406 Fourth Level Arabic A (4) Offered through AU Abroad programs in Cairo and Rabat. This course is designed to move learners from a stage where they have achieved the basic grammatical skills, to being able to use language in a wider cultural context. The course addresses the main issues related to the Arab world and culture using a skill-based approach in which students gain mastery of the language through the use of authentic materials taken from various sources. Teaching techniques are student-centered, with the goal of teaching to make students independent users of Arabic. Encounters with Arab professionals and visits to relevant institutions are integrated in the course. *Prerequisite:* ARAB-303 or ARAB-307 or equivalent.

ARAB-416 Fourth Level Arabic B (4) Offered through AU Abroad programs in Cairo and Rabat. This course provides additional practice at the advanced level to help students attain a higher level of skill development (e.g., listening, speaking, reading and writing) and linguistic accuracy. Students expand the essential vocabulary to help them with topics of professional interest; obtain information to understand the ideas presented in a text, to discover the author's point of view and to seek evidence for their point of view; enrich their grammatical knowledge and apply it as one of the analytical tools in comprehending reading text; produce lengthy descriptive and argumentative discourse in speaking; summarize texts and express their points of view in writing and speaking; and interact with native speakers and engage in discussions of contemporary issues. *Prerequisite:* ARAB-303 or ARAB-307 or equivalent.

ARAB-417 Fourth Level Arabic C (4) Offered through AU Abroad programs in Cairo and Rabat. In this course, students use authentic material from literature, academic research, and both print and electronic media to develop their abilities to extract essential information and identify linguistic nuances. Students produce reaction papers where they express their own assessment of the content, the form of the text, and the position and the arguments of the author. Students are also expected to be able to identify figures of style and produce texts demonstrating near native competence. *Prerequisite:* ARAB-303 or ARAB-307 or equivalent.

ARAB-425 Introduction to Arabic-Islamic Civilization (3)

This course explores important historical, cultural, political, and intellectual developments within twelve centuries of Arabic-Islamic civilization. It discusses the interplay between continuity and change, and focuses on key concepts, beliefs, and institutions which, although shaped in the past, are crucial for proper understanding of the contemporary Arab world. Usually offered every fall. *Prerequisite:* ARAB-303.

ARAB-426 Arabic Topics (3) Topics vary by section, may be repeated for credit with different topic. Topics taught in Arabic explore various aspects of Arabic culture and the Arab world. Usually offered every term. *Prerequisite:* ARAB-303.

ARAB-480 Senior Capstone: Concept of the City (3) This senior capstone course celebrates students' functional Arabic language abilities and cultural competence through the comparison and contrast of the historical, political, literary, and cultural trends of several major urban centers in Africa, Europe, and Latin America from a variety of perspectives and genres. Taught in English, students write their final research papers in Arabic. *Prerequisite:* senior standing and Arabic Studies major.

ARAB-490 Independent Research in Arabic (1-6) *Prerequisite:* permission of instructor and department chair.

CHINESE

CHIN-106 First Level Chinese I (6) Offered as part of the AU Abroad program in Beijing, this course is designed for beginners to learn practical beginning Chinese. The course introduces basic Chinese characters, useful vocabulary, fundamental grammar, functional sentence patterns, practical dialogues, simple texts, and some relevant cultural information. Usually offered every term.

CHIN-107 First Level Chinese II (6) Offered as part of the AU Abroad program in Beijing, this course elevates competence in understanding spoken and written Chinese. The course reviews and increases grammatical background, focusing on accurate expression in daily communication and discussion in both oral and written forms. Usually offered every term. *Prerequisite:* CHIN-106 or CHIN-112 or equivalent.

CHIN-112 Chinese, Elementary I (5) Prepares students to function in everyday situations in the Chinese-speaking world. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Usually offered every fall.

CHIN-113 Chinese, Elementary II (5) Continuation of CHIN-112. Usually offered every spring. *Prerequisite:* CHIN-106 or CHIN-112 or equivalent.

CHIN-116 Introductory Chinese Immersion (12) Offered as part of the AU Abroad program in Beijing, this course establishes understanding of spoken and written Chinese in an intensive immersion environment for beginner students. The course introduces basic Chinese characters, useful vocabulary, fundamental grammar, functional sentence patterns, simple texts, and relevant culture tips, with special focus on listening and speaking skills. Usually offered every term.

CHIN-118 Introductory Chinese Summer Immersion (3-6)

Offered as part of the AU Abroad program in Beijing, this course facilitates beginners' acquisition of Chinese language in an intensive immersion environment. Classroom instruction focuses on introducing basic Chinese characters, useful vocabulary, fundamental grammar, conversational patterns, simple texts and relevant cultural information. Usually offered every summer.

CHIN-206 Second Level Chinese I (6) Offered as part of the AU Abroad program in Beijing, this course elevates competence in understanding spoken and written Chinese. The course reviews and increases grammatical background, focusing on accurate expression in daily communication and fundamental discussion skills. Usually offered every term. *Prerequisite:* CHIN-107 or CHIN-113 or CHIN-116 or equivalent.

CHIN-207 Second Level Chinese II (6) Offered as part of the AU Abroad program in Beijing, this course improves skills in understanding spoken and written Chinese. Expansion of vocabulary and grammatical structures and further development of communication skills. Usually offered every term. *Prerequisite:* CHIN-206 or CHIN-212 or equivalent.

CHIN-212 Chinese, Intermediate I (5) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and further development of communicative skills. Usually offered every fall. *Prerequisite:* CHIN-107 or CHIN-113 or CHIN-116 or CHIN-118 or equivalent.

CHIN-213 Chinese, Intermediate II (5) Continuation of CHIN-212. Usually offered every spring. *Prerequisite:* CHIN-206 or CHIN-212 or equivalent.

CHIN-218 Chinese Summer Immersion I (3-6) Offered as part of the AU Abroad program in Beijing, this course perfects students' skills in understanding spoken and written Chinese in an intensive immersion environment. This course reviews and increases students' grammatical background. It focuses on accurate expression in daily communication and discussion in both oral and written forms. Usually offered every summer. *Prerequisite:* CHIN-113 or equivalent.

CHIN-306 Third Level Chinese I (6) Offered as part of the AU Abroad program in Beijing, this course further develops ability to use Chinese at a more advanced level. Students continue to expand vocabulary, enrich knowledge on grammar and usage, and develop an ability to perform tasks of description, narration, and argumentation. Usually offered every term. *Prerequisite:* CHIN-213 or CHIN-218 or equivalent.

CHIN-307 Third Level Chinese II (6) Offered as part of the AU Abroad program in Beijing, this course perfects skills in understanding spoken and written Chinese. Students express more refined and sophisticated ideas, and process sentences with complex structures used mainly in formal speech and writing. Usually offered every term. *Prerequisite:* CHIN-306 or CHIN-313 or CHIN-318 or equivalent.

CHIN-308 Chinese Immersion: Folklore (1) Offered as part of the AU Abroad program in Beijing, this course teaches Chinese folklore topics in an immersive Chinese language classroom environment. Usually offered every term.

CHIN-309 Chinese Immersion: Popular Culture (1) Offered as part of the AU Abroad program in Beijing, this course teaches Chinese popular culture topics in an immersive Chinese language classroom environment. Usually offered every term.

CHIN-310 Chinese Immersion: Social Issues (1) Offered as part of the AU Abroad program in Beijing, this course teaches Chinese social issues topics in an immersive Chinese language classroom environment. Usually offered every term.

CHIN-312 Advanced Chinese I (3) This course promotes the active use of Chinese in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Includes social, economic, and political aspects of Chinese culture. Usually offered every fall. *Prerequisite:* CHIN-213 or CHIN-218 or equivalent.

CHIN-313 Advanced Chinese II (3) Continuation of CHIN-312. Usually offered every spring. *Prerequisite:* CHIN-207 or CHIN-312 or equivalent.

CHIN-316 Chinese Immersion I (12) Offered as part of the AU Abroad program in Beijing, this course perfects skills in understanding spoken and written Chinese in an intensive immersion environment. The course reviews and increases grammatical background, focusing on accurate expression in daily communication and discussion in both oral and written forms. Usually offered every term. *Prerequisite:* CHIN-206 or CHIN-212 or equivalent.

CHIN-317 Chinese Immersion II (12) Offered as part of the AU Abroad program in Beijing, this course further perfects skills in understanding spoken and written Chinese in an intensive immersion environment. The course reviews and increases grammatical background, focusing on accurate expression in daily communication and discussion in both oral and written forms. Usually offered every term. *Prerequisite:* CHIN-207 or CHIN-213 or equivalent.

CHIN-318 Chinese Summer Immersion II (3-6) Offered as part of the AU Abroad program in Beijing, this course further perfects skills in understanding spoken and written Chinese in an intensive immersion environment. The course reviews and increases grammatical background, focusing on accurate expression in daily communication and discussion in both oral and written forms. Usually offered every summer. *Prerequisite:* CHIN-207 or CHIN-213 or equivalent.

CHIN-319 Chinese Summer Immersion III (3-6) Offered as part of the AU Abroad program in Beijing, this course further perfects skills in understanding spoken and written Chinese in an intensive immersion environment. The course reviews and increases grammatical background, focusing on accurate expression in daily communication and discussion in both oral and written forms. Usually offered every summer. *Prerequisite:* CHIN-312 or equivalent.

CHIN-390 Independent Reading in Chinese (1-6) *Prerequisite:* permission of instructor and department chair.

CHIN-406 Fourth Level Chinese I (6) Offered as part of the AU Abroad program in Beijing, this course further perfects skills in understanding spoken and written Chinese. Students express more refined and sophisticated ideas, and process sentences with complex structures used mainly in formal speech and writing. Usually offered every term. *Prerequisite:* CHIN-307 or equivalent.

CHIN-407 Fourth Level Chinese II (6) Offered as part of the AU Abroad program in Beijing, this course further perfects skills in understanding spoken and written Chinese. Students express even more refined and sophisticated ideas, and process sentences with complex structures used mainly in formal speech and writing. Usually offered every term. *Prerequisite:* CHIN-406 or equivalent.

CHIN-416 Chinese Immersion III (12) Offered as part of the AU Abroad program in Beijing, this course further perfects skills in understanding spoken and written Chinese, and in speaking and writing, in an intensive immersion environment. Students prepare for daily use of Chinese. Usually offered every term. *Prerequisite:* CHIN-312 or equivalent.

CHIN-417 Chinese Immersion IV (12) Offered as part of the AU Abroad program in Beijing, this course elevates language skills to a higher level in an intensive immersion environment. Students gain a deep working knowledge of Chinese language and use it both formally and informally on a daily basis. Usually offered every term. *Prerequisite:* CHIN-406 or equivalent.

CHIN-418 Chinese Immersion V (12) Offered as part of the AU Abroad program in Beijing, this course elevates language skills to an even higher level in an intensive immersion environment. Students gain a deep working knowledge of Chinese language and use it both formally and informally on a daily basis. Usually offered every term. *Prerequisite:* CHIN-406 or equivalent.

CHIN-419 Chinese Summer Immersion IV (3-6) Offered as part of the AU Abroad program in Beijing, this course elevates language skills to an even higher level in an intensive immersion environment. Students gain a deep working knowledge of Chinese language and use it both formally and informally on a daily basis. Usually offered every summer. *Prerequisite:* CHIN-306 or CHIN-313 or equivalent.

CHIN-420 Chinese Summer Immersion V (3-6) Offered as part of the AU Abroad program in Beijing, this course elevates language skills to an even higher level in an intensive immersion environment. Students gain a deep working knowledge of Chinese language and use it both formally and informally on a daily basis. Usually offered every summer. *Prerequisite:* CHIN-406 or equivalent.

CHIN-490 Independent Research in Chinese (1-6) *Prerequisite:* permission of instructor and department chair.

FRENCH: Undergraduate Courses

FREN-122 French, Elementary I (4) Prepares students to function in everyday situations in the French-speaking world. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Designed for students with no prior experience with French. Usually offered every fall and summer.

FREN-123 French, Elementary II (4) Continuation of FREN-122. Usually offered every term. *Prerequisite:* FREN-122 or equivalent.

FREN-222 French, Intermediate I (4) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and further development of communicative skills. Content focuses on cultural patterns in the French-speaking world. Usually offered every term. *Prerequisite:* FREN-123 or equivalent.

FREN-223 French, Intermediate II (4) Continuation of FREN-222. Usually offered every term. *Prerequisite:* FREN-222 or equivalent.

FREN-224 Living in French (1) Part of the AU Abroad program in Brussels, the course focuses on various aspects of life in Belgium and the experiences students encounter during the program. The primary objective is to improve oral communication and aural comprehension skills. Includes social, political, and economic aspects of the Belgian culture. Usually offered every fall and spring.

FREN-244 Second Level French (3) Offered as part of the AU abroad program in Rabat, Morocco, this intensive course builds on students' acquired mastery of French at the elementary level (equivalent to one year of French). In addition to lectures and exercises in class and homework, it also includes lab drills, as well as challenging opportunities to practice French in daily life with French-speaking neighbors, friends, and fellow students. Students use and hone their linguistic skills in daily practice. They also enhance their skills in French reading, listening, oral, and writing comprehension in a number of environments, including cultural and sports events at the university, host-family stays, educational field trips, and other travels in Morocco. All these experiences are integrated through weekly assignments, in-class oral expression periods, and journal writing. Usually offered every term.

FREN-322 Advanced French I (3) Promotes the advanced active use of French in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Designed for students who have completed the intermediate level. Usually offered every term. *Prerequisite:* FREN-223 or equivalent.

FREN-323 Advanced French II (3) Continuation of FREN-322. Usually offered every term. *Prerequisite:* FREN-322 or equivalent.

FREN-332 French Grammar and Composition through Culture (3) This course offered through the AU Abroad program in Paris is based on the principle that writing and reading skills are interdependent. Learning to read analytically and to understand the workings of model texts help students develop creative and expressive writing skills. The value of students' writing is determined by the richness, appropriateness, and precision of the vocabulary and style, as well as by its grammatical accuracy. The course includes analysis of the various cultural aspects in the context of the development of French society at large. Usually offered every fall. *Prerequisite:* FREN-223 or equivalent. Students may not receive credit for both FREN-332 and either FREN-322 Advanced French I or FREN-323 Advanced French II.

FREN-333 French Avant Gardes (3) This course offered through the AU Abroad program in Paris explores the principal artistic and literary movements of the late nineteenth and early twentieth century that constitute the French Avant Gardes. Students analyze the influence of Paris on the cultural, literary, social, and political elements that infused the birth of the movement. During the Bohemian period, literary development closely followed that of the visual arts. Through literary analysis and study of the development of artistic genres of the period, students learn about the thought and sociological influence that led to the birth of the movement. Usually offered every fall. *Prerequisite:* FREN-223 or equivalent.

FREN-344 Third Level French (3) Offered as part of the AU abroad program in Rabat, Morocco, this intensive course builds on students' acquired mastery of French at the intermediate level (equivalent to two years of French). In addition to lectures and exercises in class and homework, it also includes lab drills, as well as challenging opportunities to practice French in daily life with French-speaking neighbors, friends, and fellow students. Students use and hone their linguistic skills in daily practice. They also enhance their skills in French reading, listening, oral, and writing comprehension in a number of environments, including cultural and sports events at the university, host-family stays, educational field trips, and other travels in Morocco. All these experiences are integrated through weekly assignments, in-class oral expression periods, and journal writing. Usually offered every term.

FREN-390 Independent Reading in French (1-6) *Prerequisite:* permission of instructor and department chair.

FREN-430 *Style et Syntaxe du Français* (3) This course is designed to teach students to analyze literary texts and comment on them with clarity and insight. It also attunes students to the nuances of the written language and teaches them the intricacies of composition writing. Meets with FREN-630. Usually offered every fall. *Prerequisite:* FREN-323.

FREN-431 *Civilisation Française I* (3) France from the Middle Ages to the French Revolution. Survey of political, social, and economic developments, emphasizing the differences between the culture des élites and culture du peuple, as seen through primary sources. Meets with FREN-631. Usually offered alternate falls. *Prerequisite:* FREN-323.

FREN-432 *Civilisation Française II* (3) France in the nineteenth and twentieth centuries. Study of the nouveau régime, the effects of the French revolutions on the social classes and their mental structures. Emphasis on the difference between the culture des élites and culture du peuple. Meets with FREN-632. Usually offered alternate springs. *Prerequisite:* FREN-323.

FREN-433 French Topics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics taught in French including French politics; French society; French cinema; the Francophone novel; the short story in the Francophone world; Algerian colonization and decolonization; autobiography; cinema, literature, and society; humor and irony in French literature; French perception of America; etc. Usually offered every term. Meets with FREN-633. *Prerequisite:* FREN-323 or permission of instructor.

FREN-434 French Translation: Concepts and Practice (3) An introduction to the methods, techniques, and problems involved in translating from French into English. Emphasis is on the practice of translating general material with some consideration of the translation of specialized material. Introduction to the field of translation as a profession. Usually offered every fall. Meets with FREN-634. *Prerequisite:* FREN-323 or permission of instructor.

500 Course Descriptions

FREN-435 French Translation Workshop (3) This course is offered in tandem with FREN-434. Less emphasis is placed on theory and more time is given to systematic translation practice. Texts are selected from a wide variety of sources that offer examples of journalistic and literary language, as well as the more specialized terminology of commerce, technology, and law. Meets with FREN-635. Usually offered every spring. *Prerequisite:* FREN-323 or permission of instructor.

FREN-436 *Le Français Commercial* (3) Advanced language course focusing on business expressions and terminology intended to prepare students for the *Certificat Pratique* examination offered by the Paris Chamber of Commerce. Emphasis on written and oral skills. Students learn to comprehend texts related to advertising, agriculture, banking, insurance, etc. and to write business letters and reports in French. Meets with FREN-636. Usually offered alternate falls. *Prerequisite:* FREN-323 or permission of instructor.

FREN-437 *Les Registres du Français* (3) An introduction to the cultural levels of the French language—colloquial, standard, formal, and familiar—and to the differences between spoken and written French. Also includes study of literary prose, versification, dialects, and aspects of selected technical vocabularies. Designed for students who wish to understand the intricacies of the French language. Meets with FREN-637. Usually offered alternate falls. *Prerequisite:* FREN-323 or permission of instructor.

FREN-480 Senior Capstone: Concept of the City (3) This senior capstone course celebrates students' functional French language abilities and cultural competence through the comparison and contrast of the historical, political, literary, and cultural trends of several major urban centers in Africa, Europe, and Latin America from a variety of perspectives and genres. Taught in English, students write their final research papers in French. *Prerequisite:* senior standing and French Studies major.

FREN-490 Independent Research in French (1-6) *Prerequisite:* permission of instructor and department chair.

FREN-491 Internship: French (1-6) *Prerequisite:* permission of instructor and department chair.

FRENCH: Graduate Courses

FREN-020 French Reading for Research (0) For graduate students who have studied French but require a refresher course stressing grammar review, vocabulary building, and translation. Successful completion of the course with a grade of B or better may satisfy the graduate tool of research requirement; students should consult with their academic advisor. Usually offered every term. *Prerequisite:* two years of high school or one year of college French. *Note:* This non-credit course is open only to American University graduate students.

FREN-630 *Style et Syntaxe du Français* (3) This course is designed to teach students to analyze literary texts and comment on them with clarity and insight. It also attunes students to the nuances of the written language and teaches them the intricacies of composition writing. Meets with FREN-430. Usually offered every fall.

FREN-631 *Civilisation Française I* (3) France from the Middle Ages to the French Revolution. Survey of political, social, and economic developments, emphasizing the differences between the culture des élites and culture du peuple, as seen through primary sources. Meets with FREN-431. Usually offered alternate falls.

FREN-632 *Civilisation Française II* (3) France in the nineteenth and twentieth centuries. Study of the nouveau régime, the effects of the French revolutions on the social classes and their mental structures. Emphasis on the difference between the culture des élites and culture du peuple. Meets with FREN-432. Usually offered alternate springs.

FREN-633 French Topics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics taught in French including French politics; French society; French cinema; the Francophone novel; the short story in the Francophone world; Algerian colonization and decolonization; autobiography; cinema, literature, and society; humor and irony in French literature; French perception of America; etc. Usually offered every term. Meets with FREN-433.

FREN-634 French Translation: Concepts and Practice (3) An introduction to the methods, techniques, and problems involved in translating from French into English. Emphasis is on the practice of translating general material with some consideration of the translation of specialized material. Introduction to the field of translation as a profession. Usually offered every fall. Meets with FREN-434.

FREN-635 French Translation Workshop (3) This course is offered in tandem with FREN-634. Less emphasis is placed on theory and more time is given to systematic translation practice. Texts are selected from a wide variety of sources that offer examples of journalistic and literary language, as well as the more specialized terminology of commerce, technology, and law. Meets with FREN-435. Usually offered every spring.

FREN-636 *Le Français Commercial* (3) Advanced language course focusing on business expressions and terminology intended to prepare students for the *Certificat Pratique* examination offered by the Paris Chamber of Commerce. Emphasis on written and oral skills. Students learn to comprehend texts related to advertising, agriculture, banking, insurance, etc. and to write business letters and reports in French. Meets with FREN-436. Usually offered alternate falls.

FREN-637 *Les Registres du Français* (3) An introduction to the cultural levels of the French language—colloquial, standard, formal, and familiar—and to the differences between spoken and written French. Also includes study of literary prose, versification, dialects, and aspects of selected technical vocabularies. Designed for students who wish to understand the intricacies of the French language. Meets with FREN-437. Usually offered alternate falls.

FREN-691 Internship: French (1-3) *Prerequisite:* permission of instructor and department chair.

GERMAN: Undergraduate Courses

GERM-116 Living in German (3) Offered as part of the AU Abroad program in Berlin, this course is a practice-oriented introduction to German that features basic German language structures to enable students to communicate in everyday settings. Students learn elementary vocabulary, present and past tense, as well as simple subordinate clauses, and gain familiarity with themes and issues of local significance by means of simple texts. For non-majors or minors in German. Usually offered every term.

GERM-126 First Level German I (3) Offered as part of the AU Abroad program in Berlin, this course introduces the basic German language structures. Students develop communicative competencies in reading, listening, speaking, and writing, and engage in simple conversations in settings such as shopping or restaurants, and to speak in simple past tense. Students become familiar with listening comprehension strategies and develop the ability to extract sociocultural information from simple texts, accompanied by exercises concerning phonetic particularities in communicative context. Usually offered every term.

GERM-127 First Level German II (3) Offered as part of the AU Abroad program in Berlin, this course for students with limited prior knowledge of German extends beyond simple communication, focusing on the ability to report in structurally more complex sentences about family, friends, future plans, and aspects of the past. Students learn declension of adjectives and practice reading and listening techniques. They also improve their pronunciation by means of special phonetic exercises and compose texts. Usually offered every term.

GERM-132 German, Elementary I (4) Prepares students to function in everyday situations in the German-speaking world. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. One class per week emphasizes oral communication. Designed for students with no prior experience with German. Usually offered every fall.

GERM-133 German, Elementary II (4) Continuation of GERM-132. Usually offered every spring. *Prerequisite:* GERM-132 or equivalent.

GERM-226 Second Level German I (3) Offered as part of the AU Abroad program in Berlin, this course encompasses more complex structures and communicative competencies in the German language. Students gain the ability to express desires and intentions as well as temporal sequences. They solidify their ability to communicate in everyday situations such as searching for housing, travel, general orientation, and relationships. The course also features more demanding texts for listening and reading comprehension. Students distil sociocultural information from authentic texts such as newspaper articles and short literary extracts, and write basic types of texts. Usually offered every term.

GERM-227 Second Level German II (3) Offered as part of the AU Abroad program in Berlin, this course features an expansion of fundamental communicative competencies in German for reading, listening, speaking, and writing in more complex conversational settings and types of texts. Students learn to express intentions, to present arguments, to generalize, and to make comparisons in order to master linguistically more formal settings such as discussions, and presentations and to compose more complex texts. Usually offered every term.

GERM-230 The Modernist Explosion: Culture and Ideology in Europe FA2 (3) Studies the development of the modernist movement in Europe in the first third of the twentieth century, with special emphasis on the German Weimar republic, 1918-1933. The course examines primary works of literature, visual art, music, and film (in English translation) in the context of political history. Usually offered every spring. Taught in English.

GERM-232 German, Intermediate I (4) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and further development of communicative skills. Content focuses on cultural patterns in the German-speaking world. One class per week emphasizes oral communication skills. Usually offered every fall. *Prerequisite:* GERM-133 or equivalent.

GERM-233 German, Intermediate II (4) Continuation of GERM-232. Usually offered every spring. *Prerequisite:* GERM-232 or equivalent.

GERM-326 Second Level German III (3) Offered as part of the AU Abroad program in Berlin, this course begins with a consolidation of previous intermediate-level material and then proceeds to more demanding grammatical structures such as the conjunctive, different types of sentence connections, and the corresponding conjunctions. Students' stylistic abilities are expanded by composing different texts to become familiar with diverse textual types and structures. Students also improve their speaking abilities by presentation of reports. More demanding texts with sociocultural information and basic literary pieces are used for reading comprehension. Usually offered every term.

GERM-327 Advanced Level German I (3) Offered as part of the AU Abroad program in Berlin, this course encompasses an expansion of linguistic ability on a higher level by means of journalistic, literary, and academic texts; it surveys learning techniques with which students are able to comprehend and apply more complex kinds of texts. Students gain familiarity with the fundamentals of academic writing and work on improving their stylistic expressive capabilities. The strategies acquired enable students to express diverse aspects of political, cultural, and social life in discussion and presentations in a comprehensive and coherent fashion. Usually offered every term.

GERM-328 Advanced Level German II (3) This course, offered as part of the AU Abroad program in Berlin, is for students who have mastered German and wish to train their use of the language in an academic context. The course encompasses and emphasizes demanding vocabulary and syntax structures of written German and idiomatic expressions. Students practice reading and listening comprehension of complex texts by means of authentic, current academic and newspaper articles as well as pieces of literature. Priority is given to academic composition and the stylistic improvement of linguistic expression. Students gain the ability of active participation in discussions and of making of a lengthier report concerning an academic or socially relevant theme. Usually offered every term.

GERM-332 German Conversation and Composition I (3) Promotes the advanced active use of German in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Written and oral exercises focus on a broad range of communicative genres. Usually offered every fall. *Prerequisite:* GERM-233 or equivalent.

GERM-333 German Conversation and Composition II (3) Continuation of GERM-332. Usually offered every spring. *Prerequisite:* GERM-332 or equivalent.

GERM-336 German Topics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics taught in German include German culture and society, survey or arts, cinema, literature, and politics. *Prerequisite:* GERM-333 or permission of instructor.

GERM-338 Introduction to German Translation (3) An introduction to the methods, techniques, and problems involved in translating from German into English. Emphasis on translating general material, with some consideration of the translation of specialized material. Introduction to the field of translation as a profession. Usually offered alternate falls. *Prerequisite:* GERM-333 or permission of instructor.

GERM-339 Business German (3) Advanced language course designed to provide an introduction to the language and concepts of business and economics in German-speaking countries. The course combines acquisition of language skills with study of the geographical and sociopolitical context of the German-speaking world. Usually offered every spring. *Prerequisite:* GERM-233 or equivalent.

GERM-490 Independent Reading in German (1-6) *Prerequisite:* permission of instructor and department chair.

GERM-432 Studies in German Film (3) Introduction to the history, theory, and critical analysis of the German cinema arts. Weekly film screenings provide a framework for the study and criticism of German film, from its beginnings through the New German Cinema. Usually offered alternate falls. *Prerequisite:* GERM-333 or permission of instructor.

GERM-433 German Lyric Poetry (3) Survey of German lyric poetry, as well as selected examples of longer poetic works, as expressions of the German cultural identity throughout history. The focus of the course is interdisciplinary, encompassing poetry's relationship to music, visual art, historiography, religion, and politics. *Prerequisite:* GERM-333 or permission of instructor.

GERM-438 German Civilization I (3) A survey of German culture and society from the Middle Ages to the Romantic period. Historical, social, and intellectual developments, literature, art, and music are studied as the basis for discussion of German cultural history. Taught in German. Usually offered alternate falls. *Prerequisite:* GERM-333 or permission of instructor.

GERM-439 German Civilization II (3) Continuation of GERM-438, covering German history from the Romantic period to the twenty-first century. Taught in German. Usually offered alternate springs. *Prerequisite:* GERM-333 or permission of instructor.

GERM-480 Senior Capstone: Concept of the City (3) This senior capstone course celebrates students' functional German language abilities and cultural competence through the comparison and contrast of the historical, political, literary, and cultural trends of several major urban centers in Africa, Europe, and Latin America from a variety of perspectives and genres. Taught in English, students write their final research papers in German. *Prerequisite:* senior standing and German Studies major.

GERM-490 Independent Research in German (1-6) *Prerequisite:* permission of instructor and department chair.

GERM-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

HEBREW

HEBR-116 Hebrew, Elementary Modern I (3) Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Designed for students with no prior experience with Hebrew. Usually offered every fall.

HEBR-117 Hebrew, Elementary Modern II (3) Continuation of HEBR-116. Usually offered every spring. *Prerequisite:* HEBR-116 or equivalent.

HEBR-216 Hebrew, Intermediate Modern I (3) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and development of communicative skills. Usually offered every fall. *Prerequisite:* HEBR-117 or equivalent.

HEBR-217 Hebrew, Intermediate Modern II (3) Continuation of HEBR-216. Usually offered every spring. *Prerequisite:* HEBR-216 or equivalent.

HEBR-316 Advanced Hebrew Modern I (3) This course promotes the advanced active use of Hebrew in culturally authentic contexts. Emphasis is on the development of fluency and accuracy in oral and written communication. Usually offered every fall. *Prerequisite:* HEBR-217 or equivalent.

HEBR-317 Advanced Hebrew Modern II (3) Continuation of HEBR-316. Usually offered every spring. *Prerequisite:* HEBR-316 or equivalent.

ITALIAN

ITAL-118 Italian, Elementary I (4) Prepares students to function in everyday situations. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Designed for students with no prior experience with Italian. Usually offered every fall and summer.

ITAL-119 Italian, Elementary II (4) Continuation of ITAL-118. Usually offered every spring and summer. *Prerequisite:* ITAL-118 or equivalent.

ITAL-218 Italian, Intermediate I (4) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and development of communicative skills. Content focuses on cultural patterns in the Italian-speaking world. Usually offered every fall. *Prerequisite:* ITAL-119 or equivalent.

ITAL-219 Italian, Intermediate II (4) Continuation of ITAL-218. Usually offered every spring. *Prerequisite:* ITAL-218 or equivalent.

ITAL-318 Italian Conversation and Composition I (3) Promotes the advanced active use of Italian in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Designed for students who have completed the intermediate level. Usually offered every fall. *Prerequisite:* ITAL-219 or equivalent.

ITAL-319 Italian Conversation and Composition II (3) Continuation of ITAL-318. Usually offered every spring. *Prerequisite:* ITAL-318 or equivalent.

ITAL-390 Independent Reading in Italian (1-6) *Prerequisite:* permission of instructor and department chair.

ITAL-490 Independent Research in Italian (1-6) *Prerequisite:* permission of instructor and department chair.

ITAL-491 Internship (1-6) *Prerequisite:* permission of instructor and department chair.

JAPANESE

JAPN-114 Japanese, Elementary I (5) Prepares students to function in everyday situations in the Japanese-speaking world. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Usually offered every fall.

JAPN-115 Japanese, Elementary II (5) Continuation of JAPN-114. Usually offered every spring. *Prerequisite:* JAPN-114 or equivalent.

JAPN-214 Japanese, Intermediate I (5) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and further development of communicative skills. Usually offered every fall. *Prerequisite:* JAPN-115 or equivalent.

JAPN-215 Japanese, Intermediate II (5) A continuation of JAPN-214. Usually offered every spring. *Prerequisite:* JAPN-214 or equivalent.

JAPN-314 Advanced Japanese I (3) Promotes the advanced active use of Japanese in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Includes social, economic, and political aspects of Japanese culture. Usually offered every fall. *Prerequisite:* JAPN-215 or equivalent.

JAPN-315 Advanced Japanese II (3) Continuation of JAPN-314. Usually offered every spring. *Prerequisite:* JAPN-314 or equivalent.

JAPN-390 Independent Reading in Japanese (1-6) *Prerequisite:* permission of instructor and department chair.

JAPN-490 Independent Research in Japanese (1-6) *Prerequisite:* permission of instructor and department chair.

KOREAN

KOR-102 Korean Elementary I (5) Designed for students with no prior experience with Korean, this course focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Usually offered every fall.

KOR-103 Korean Elementary II (5) Continuation of KOR-102. Usually offered every spring. *Prerequisite:* KOR-102 or equivalent.

PERSIAN

PERS-102 Persian Elementary I (4) This course, designed for students with no prior experience with Persian, focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Usually offered every fall.

PERS-103 Persian Elementary II (4) Continuation of PERS-102. Usually offered every spring. *Prerequisite:* PERS-102 or equivalent.

PERS-202 Persian Intermediate I (4) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and further development of communicative skills. Content focuses on cultural patterns in the Persian-speaking world. Usually offered every fall.

PERS-203 Persian Intermediate II (4) Continuation of PERS-202. Usually offered every spring. *Prerequisite:* PERS-202 or equivalent.

PORTUGUESE

PORT-102 Portuguese Elementary I (4) This course, designed for students with no prior experience with Portuguese, focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Usually offered every fall.

PORT-103 Portuguese Elementary II (4) Continuation of PORT-102. Usually offered every spring. *Prerequisite:* PORT-102 or equivalent.

RUSSIAN: Undergraduate Courses

RUSS-144 Russian, Elementary I (5) Prepares students to function in everyday situations in the Russian-speaking world. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Designed for students with no prior experience with Russian. Usually offered every fall.

RUSS-145 Russian, Elementary II (5) Continuation of RUSS-144. Usually offered every spring. *Prerequisite:* RUSS-144 or equivalent.

RUSS-200 Russia and the United States FA3 (3) A comparative study of the two countries, Russia and the United States, through an interdisciplinary approach with emphasis on the major similarities and differences. The course draws primarily from international studies, cross-cultural communication, political science, history, literature, and the arts. Usually offered every fall. Taught in English.

RUSS-244 Russian, Intermediate I (5) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and development of communicative skills. Content focuses on cultural patterns in the Russian-speaking world. Usually offered every fall. *Prerequisite:* RUSS-145 or equivalent.

RUSS-245 Russian, Intermediate II (5) Continuation of RUSS-244. Usually offered every spring. *Prerequisite:* RUSS-244 or equivalent.

RUSS-342 Russian Conversation and Composition I (3) Promotes the advanced active use of Russian in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Review of grammatical structures and vocabulary expansion through extensive reading. Problems of style and creative use of language. Usually offered every fall. *Prerequisite:* RUSS-245 or equivalent.

RUSS-343 Russian Conversation and Composition II (3) Continuation of RUSS-342. Usually offered every spring. *Prerequisite:* RUSS-342 or equivalent.

RUSS-390 Independent Research in Russian (1-6) *Prerequisite:* permission of instructor and department chair.

RUSS-441 Russian Media and Political Translation (3) May be repeated for credit. Reading and translating selected sociopolitical texts and current periodical publications. Vocabulary expansion through study of word formation. Study of idioms, terms, and syntactic patterns. Meets with RUSS-641. Usually offered every fall. *Prerequisite:* RUSS-343 or equivalent or permission of instructor.

504 Course Descriptions

RUSS-443 Russian Business Translation (3) May be repeated for credit. Development of business translation skills and an understanding of the socio-economic and political aspects of the business world. Study of language, terminology, syntactic constructions and related cross-cultural issues. Translation from Russian to English. Emphasis on translation methods, techniques and problems. Course covers areas such as finance, marketing, banking, taxation, trade and agriculture. Meets with RUSS-643. Usually offered every spring. *Prerequisite:* RUSS-343 or permission of instructor.

RUSS-480 Senior Capstone: Concept of the City (3) This senior capstone course celebrates students' functional Russian language abilities and cultural competence through the comparison and contrast of the historical, political, literary, and cultural trends of several major urban centers in Africa, Europe, and Latin America from a variety of perspectives and genres. Taught in English, students write their final research papers in Russian. *Prerequisite:* senior standing and Russian Studies major.

RUSS-490 Independent Research in Russian (1-6) *Prerequisite:* permission of instructor and department chair.

RUSS-491 Internship: Russian (1-6) *Prerequisite:* permission of instructor and department chair.

RUSSIAN: Graduate and Advanced Undergraduate Courses

RUSS-543 Russian Classics (3) Topics vary by section, may be repeated for credit with different topic; emphasis on life and works of major writers. Usually offered every term.

RUSS-546 Russian Advanced Grammar and Composition I (3) A systematic grammar review course for those who have had at least three years of Russian. There is a written assignment for every class, either a translation or an essay. Weekly quizzes test knowledge of grammatical constructions, vocabulary, and idioms. Usually offered every fall. *Prerequisite:* three years of college Russian.

RUSS-547 Russian Advanced Grammar and Composition II (3) A continuation of RUSS-546. Usually offered every spring. *Prerequisite:* RUSS-546 or permission of instructor.

RUSS-548 Russian Topics (3) Topics vary by section, may be repeated for credit with different topic. Courses taught in Russian on such topics as: contemporary Russian society, Russia through film, the politics of culture in Russia, and others. Usually offered every spring.

RUSSIAN: Graduate Courses

RUSS-641 Advanced Russian Media and Political Translation (3) May be repeated for credit. Development and perfection of translation skills. Emphasis on contemporary political culture. Translation of materials from current Russian press; vocabulary building; review of grammar and stylistics; demonstrations; classroom exercises; weekly home assignments; and weekly quiz. Individual translation project. Meets with RUSS-441. Usually offered every fall.

RUSS-643 Russian Business Translation (3) May be repeated for credit. Development of business translation skills and an understanding of the socio-economic and political aspects of the business world. Study of language, terminology, syntactic constructions and related cross-cultural issues. Translation from Russian to English. Emphasis on translation methods, techniques and problems. Course covers areas such as finance, marketing, banking, taxation, trade and agriculture. Meets with RUSS-443. Usually offered every spring. *Prerequisite:* three years college Russian or permission of instructor.

RUSS-691 Internship: Russian (1-3) *Prerequisite:* permission of instructor and department chair.

SPANISH: Undergraduate Courses

SPAN-136 Intensive Beginning Spanish I (4) Offered as part of the Madrid AU Abroad programs. The elements of Spanish grammar, vocabulary, and pronunciation. Usually offered every term.

SPAN-137 Intensive Beginning Spanish II (4) Offered as part of the Madrid AU Abroad programs. The course builds on concepts discussed in SPAN-136. It enables students to understand and express themselves in normal situations and exchange information on familiar themes. Students begin the study of tenses and commands. The course focuses on continued development of listening, speaking, reading and writing comprehension. *Prerequisite:* SPAN-136 or SPAN-152 or equivalent.

SPAN-152 Spanish, Elementary I (4) Prepares students to function in everyday situations in the Hispanic world. Focuses on the acquisition of basic vocabulary and grammatical structures in culturally authentic contexts through speaking, reading, writing, and listening comprehension. Designed for students with no prior experience with Spanish. Usually offered every fall and summer.

SPAN-153 Spanish, Elementary II (4) Continuation of SPAN-152. Usually offered every term. *Prerequisite:* SPAN-152 or equivalent.

SPAN-210 Latin America: History, Art, Literature FA3 (3) Latin America's history through literary texts, films and documentaries, and other artistic representations. Analysis of how the Latin, African, and indigenous cultural heritages have combined to produce a unique culture. Usually offered every term. Separate sections taught in English and Spanish. *Prerequisite for Spanish section:* SPAN-353 or permission of instructor.

SPAN-236 Intensive Intermediate Spanish I (4) Offered as part of the Madrid AU Abroad programs. Students gain proficiency at an intermediate level through grammatical, literary, and cultural exercises. Usually offered every term. *Prerequisite:* SPAN-137 or SPAN-153 or equivalent.

SPAN-237 Intensive Intermediate Spanish II (4) Offered as part of the Madrid AU Abroad programs. The course builds on concepts discussed in SPAN-236. Students refine skills related to understanding and expressing themselves in various situations that require complex linguistic structures and expressions of personal opinions. The course includes continued focus on intermediate grammar concepts and vocabulary acquisition. *Prerequisite:* SPAN-236 or SPAN-252 or equivalent.

SPAN-252 Spanish, Intermediate I (4) Refinement of basic language skills in a cultural context. Expansion of vocabulary and grammatical structures and further development of communicative skills. Content focuses on cultural patterns in the Hispanic world. Usually offered every term. *Prerequisite:* SPAN-153 or equivalent.

SPAN-253 Spanish, Intermediate II (4) Continuation of SPAN-252. Usually offered every term. *Prerequisite:* SPAN-252 or equivalent.

SPAN-323 Spanish III (3) Offered as part of the AU Abroad programs in Chile, this course reviews the basics of Spanish grammar including present, past, future, and preterite and imperfect tenses to help students gain conversational skills. For students who have completed intermediate levels of Spanish but not recently.

SPAN-333 Advanced Spanish III (3) Offered as part of the AU Abroad programs in Chile, this course starts with a review of the preterite, imperfect tenses, and continues with lessons on prepositions, pronouns, imperative tense, and present and past subjunctive tenses. For students who have completed intermediate levels of Spanish recently.

SPAN-336 Intensive Advanced Spanish I (4) Offered as part of the Madrid AU Abroad programs. Students acquire fluency in comprehension, speaking, reading, and writing. The course focuses on expository writing through analysis of a variety of texts with emphasis on the study and practical application of written discourse. Grammar, vocabulary, and punctuation are also addressed. Usually offered every term. *Prerequisite:* SPAN-253 or equivalent.

SPAN-337 Intensive Advanced Spanish II (4) Offered as part of the Madrid AU Abroad programs. The course builds on concepts discussed in SPAN-336 and focuses heavily on written comprehension and expression, as well as advanced oral communication working toward fluency. *Prerequisite:* SPAN-336 or SPAN-352 or equivalent.

SPAN-352 Spanish Conversation and Composition I (3) Promotes the advanced active use of Spanish in culturally authentic contexts. Emphasis on the development of fluency and accuracy in oral and written communication. Usually offered every term. *Prerequisite:* SPAN-253 or equivalent.

SPAN-353 Spanish Conversation and Composition II (3) Continuation of SPAN-352. Usually offered every term. *Prerequisite:* SPAN-352 or equivalent.

SPAN-355 Spanish Introductory Topics (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include courses that serve as a bridge between the language sequence and upper-level courses. Courses are taught in Spanish on topics such as central issues in Latin American studies, indigenous people in Latin America, and media in Latin America. Emphasis is placed on vocabulary, expressions, and structures related to the specific topic. Usually offered every term. *Prerequisite:* SPAN-353 or placement test.

SPAN-357 Introduction to Latin American Literature (3) A systematic survey of the historical development of Latin American literature. Reading of selected texts in the original, and their relationship to cultural, historical, political, and social developments. This course is a transition course between SPAN-353 and higher level courses. Usually offered every term. *Prerequisite:* SPAN-353.

SPAN-388 Advanced Spanish Grammar and Composition (3) Offered as part of the AU Abroad programs in Chile, this course develops and improves students' written language skills as well as examining advanced grammar rules used to attain linguistic fluency. The course emphasizes written abilities and analyzes the different elements of creative writing, personal and work letters, legal documents, books and movies reviews. For students who have completed Spanish Conversation and Composition II or have the equivalent of three years of college level Spanish.

SPAN-389 Advanced Spanish Grammar and Composition (3) Offered as part of the Madrid AU Abroad programs. In this course students develop and improve written language skills as well as examine advanced grammar rules used to attain linguistic fluency. The course emphasizes written abilities and analyzes the different elements of creative writing, personal and work letters, legal documents, books, and movie reviews. Usually offered every fall. *Prerequisite:* SPAN-353 or equivalent.

SPAN-390 Independent Reading in Spanish (1-6) *Prerequisite:* permission of instructor and department chair.

SPAN-450 Spanish Civilization I: Spain (3) A study of the geography, history, arts, and literature of Spain from its very diverse origins to the present. Usually offered every fall. *Prerequisite:* SPAN-353 or equivalent.

SPAN-456 Spanish Topics (3) Topics vary by section, may be repeated for credit with different topic. Courses taught in Spanish on such topics as: Latin American film, Mexican-U.S. border, urban cultures in Latin America, indigenous people of Latin America, Hispanics in the United States, Caribbean cultures, and the Latin American short story. Meets with SPAN-656. Usually offered every term. *Prerequisite:* SPAN-353 or placement test.

SPAN-458 Introduction to Spanish Translation (3) An introduction to the methods, techniques, and problems involved in translating Spanish into English. Emphasis is on translating general material, with some consideration of the translation of specialized material. Meets with SPAN-658. Usually offered every fall. *Prerequisite:* SPAN-353 or permission of instructor.

SPAN-459 Advanced Spanish Translation (3) Practice and critique of translations of a range of material (general, literary, business, diplomatic, social science, and technical). Primarily from Spanish to English, with some translation from English to Spanish. Review of translation theory, methods, techniques, and problems. Meets with SPAN-659. Usually offered every spring. *Prerequisite:* SPAN-358 or equivalent.

SPAN-461 Introduction to Spanish Linguistics (3) Introduction to basic concepts of linguistics and their application to the Spanish language: phonology, morphology, syntax, etymology. Brief survey of the historical development of the Spanish language. Dialects of Spanish and other languages spoken in the Hispanic world. Introduction to a contrastive analysis of English and Spanish. Meets with SPAN-661. Usually offered every fall. *Prerequisite:* SPAN-353.

SPAN-462 Latin American-U.S. Relations (3) Students acquire conversational proficiency with international relations terminology in Spanish and in-depth knowledge of the special relations between Latin America and the United States. The course places special emphasis on the Latin American point of view, and includes discussions with Latin American diplomats on the political, diplomatic, economic, cultural, and social forces that have shaped the development of Latin American-U.S. relations. Usually offered every term. *Prerequisite:* SPAN-353 or permission of instructor.

SPAN-480 Senior Capstone: Concept of the City (3) This senior capstone course celebrates students' functional Spanish language abilities and cultural competence through the comparison and contrast of the historical, political, literary, and cultural trends of several major urban centers in Africa, Europe, and Latin America from a variety of perspectives and genres. Taught in English, students write their final research papers in Spanish. *Prerequisite:* senior standing and Spanish Studies major.

SPAN-482 Postdictatorial Southern Cone Literature (3) This course examines cultural responses to authoritarianism in postdictatorial Argentina, Chile, and Uruguay. It analyzes discourses of memory, citizenship, and retroactive justice through discussion of works by Griselda Gambaro, Eduardo Pavlovsky, Roberto Bolaño, Gabriel Peveroni, and Albertina Carri, in addition to a range of critical and theoretical texts. Meets with SPAN-682. Usually offered alternate springs. *Prerequisite:* SPAN-353 or placement test.

SPAN-483 Postdictatorial Southern Cone Icons and Identity (3) This course examines some of the most influential icons in Latin America through analysis of their representation in theatre, film, narrative, poetry, short story, and diverse media. Figures include Camila O'Gorman, Juan Moreira, Carlos Gardel, Pablo Neruda, Salvador Allende, Juan Domingo Peron, Eva Peron, Che Guevara, and Gabriela Mistral. Meets with SPAN-683. Usually offered alternate falls. *Prerequisite:* SPAN-353 or placement test.

SPAN-490 Independent Research in Spanish (1-6) *Prerequisite:* permission of instructor and department chair.

SPAN-491 Internship: Spanish: Proyecto Amistad (1-6) An internship program offering a wide variety of experiences in the Spanish-speaking community of Washington, D.C. Placements are available in bilingual schools, legal and consumer agencies, and national and international organizations. May be taken pass/fail only. *Prerequisite:* SPAN-253 or equivalent.

SPANISH: Graduate and Advanced Undergraduate Courses

SPAN-553 Culture and Radical Politics in Latin America (3) This course is devoted to analyzing different strands of radical political thought within some Latin American revolutionary movements, such as Shining Path (Peru), Sandinismo (Nicaragua), Montoneros and Peronismo (Argentina), and Zapatismo (Mexico), with particular emphasis on their close relationship with cultural production and local indigenous communities. Usually offered alternate falls. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-554 Classics of Latin American Literature (3) Topics vary by section, may be repeated for credit with different topic. Topics on a period of Spanish-American literature and culture from the colonial era to the present. Usually offered every term. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-555 Southern Cone Performance, Memory, and Activism (3) Through examination of diverse performative phenomena (urban intervention, theater, demonstration, photography, and film) this course investigates the forceful engagement of performance in the negotiation of memory politics, changing notions of citizenship, human rights activism, and the articulation of youth culture in contemporary Argentina and Chile. Usually offered alternate falls. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-556 Culture and Violence in Latin America (3) This course examines representations of physical and psychological violence in literary texts, film, and plastic arts that attempt to provide explanations for challenges that Latin America faces. Special focus is placed on violence originating in gender inequality, the effect of globalization, environmental injustice, and urban blight. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-557 Afro-Latin American Culture, Literature, and Music (3) An interdisciplinary colloquium on African heritage in Latin America, using musical pieces, literature, and culture to study prominent Afro-Latin American rhythms, the cultural regions where they originated, and the purposes music has served since slavery to present time. Special emphasis is placed on class and gender issues, as well as ethnicity. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-558 Colombia and the Amazonia (3) This interdisciplinary course explores the historical factors determining Colombian cultural regions and their contributions to national identity. Additionally, it studies cycles of violence in Colombia in the narco-guerrilla-paramilitary war, as well as the interrelation between political power and resistance in Colombia and the Amazonia. Usually offered alternate falls. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-559 Colloquium on Latin America (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics taught in Spanish include cultural trends, political and economic processes, international relations, and social phenomena. Usually offered every term. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPAN-560 Latin American Caudillos, Caciques, and Dictators (3) This course examines three key figures in the political and cultural structures of power in Latin America: the caudillo, the cacique, and the dictator. Through readings of short stories and novels informed by historical contexts and culture studies theory, students gain an understanding of the genesis of these figures and the influence they still bear on the power structures of present-day Latin America. *Prerequisite:* upper-level undergraduate Spanish course, or proficiency in Spanish.

SPANISH: Graduate Courses

SPAN-050 Spanish Reading for Research (0) For students who have studied Spanish but require a refresher course stressing grammar review, vocabulary building, and translation. Successful completion of the course with a grade of B or better may satisfy the graduate tool of research requirement; students should consult with their academic advisor. *Prerequisite:* two years of high school or one year of college Spanish. *Note:* This non-credit course is open only to American University graduate students.

SPAN-656 Spanish Topics (3) Topics vary by section, may be repeated for credit with different topic. Courses taught in Spanish on such topics as: Latin American film, Mexican-U.S. border, urban cultures in Latin America, indigenous people of Latin America, Hispanics in the United States, Caribbean cultures, and the Latin American short story. Meets with SPAN-456. Usually offered every term. *Prerequisite:* two years of college Spanish or equivalent.

SPAN-658 Introduction to Spanish Translation (3) An introduction to the methods, techniques, and problems involved in translating from Spanish to English. Emphasis is on translating general material, with some consideration of the translation of specialized material. Meets with SPAN-458. Usually offered every fall.

SPAN-659 Advanced Spanish Translation (3) Practice and critique of translations of a range of material (general, literary, business, diplomatic, social science, and technical). Primarily from Spanish to English, with some translation from English to Spanish. Review of translation theory, methods, techniques, and problems. Meets with SPAN-459. Usually offered every spring. *Prerequisite:* SPAN-658 or equivalent.

SPAN-661 Introduction to Spanish Linguistics (3) Introduction to basic concepts of linguistics and their application to the Spanish language: phonology, morphology, syntax, etymology. Brief survey of the historical development of the Spanish language. Dialects of Spanish and other languages spoken in the Hispanic world. Introduction to a contrastive analysis of English and Spanish. Meets with SPAN-461. Usually offered every fall.

SPAN-682 Postdictatorial Southern Cone Literature (3) This course examines cultural responses to authoritarianism in postdictatorial Argentina, Chile, and Uruguay. It analyzes discourses of memory, citizenship, and retroactive justice through discussion of works by Griselda Gambaro, Eduardo Pavlovsky, Roberto Bolaño, Gabriel Peveroni, and Albertina Carri, in addition to a range of critical and theoretical texts. Meets with SPAN-482. Usually offered alternate springs.

SPAN-683 Postdictatorial Southern Cone Icons and Identity (3) This course examines some of the most influential icons in Latin America through analysis of their representation in theatre, film, narrative, poetry, short story, and diverse media. Figures include Camila O'Gorman, Juan Moreira, Carlos Gardel, Pablo Neruda, Salvador Allende, Juan Domingo Peron, Eva Peron, Che Guevara, and Gabriela Mistral. Meets with SPAN-483. Usually offered alternate falls.

SPAN-690 Independent Study in Spanish (1-6) *Prerequisite:* permission of instructor and department chair.

SPAN-691 Internship: Spanish: *Proyecto Amistad* (1-3) An internship program offering a wide variety of experiences in the Spanish-speaking community of Washington, D.C. Placements are available in bilingual schools, legal and consumer agencies, and national and international organizations. *Prerequisite:* two years of college Spanish and permission of instructor or department.

SPAN-701 Latin American Theatre and Politics (3) This course examines the intersection of theater with politics, culture, and history at emblematic junctures in twentieth and twenty-first century Latin America. Class discussion is organized around major thematic focal points and discourses such as nation, gender, immigration, memory, and globalization, among others. Usually offered alternate springs. *Prerequisite:* admission to MA in Spanish and Latin American Studies or proficiency in Spanish.

SPAN-702 Latin American History and Politics from the Margins (3) This course examines testimonials of individuals or groups of people whose stories do not normally get included in national histories. Stories include accounts of slavery, rural guerilla and student urban warfare, drug trafficking, and oppression due to sexual orientation. The course also looks at mainstream attempts to incorporate these marginal voices in the popular venues of their country of origin. *Prerequisite:* admission to MA in Spanish and Latin American Studies or proficiency in Spanish.

SPAN-704 Central American Cultural Studies (3) A study of literary works, films and documentaries, and secondary literature with a focus on indigenous cultures, the Panama Canal, the anti-Communist wars, and the presence and meaning of the Afro-Antillean people in the region. Usually offered alternate springs. *Prerequisite:* admission to MA in Spanish and Latin American Studies or proficiency in Spanish.

SPAN-705 Seminar in Spanish and Latin American Studies (3) Topics vary by section, may be repeated for credit with different topic. Rotating topics include Latin American thought; language research, translation, and pedagogy technology; and Cuba in Latin America. Usually offered every term. *Prerequisite:* admission to MA in Spanish and Latin American Studies or proficiency in Spanish.

SWAHILI/KISWAHILI

SWAH-102 Swahili Elementary I (3) This foundation course in standard Swahili introduces students to pronunciation; formulaic greetings; the noun class system; the concordial agreement system associated with verb structure, relative construction, and possessive pronoun and adjective formation; adverbs; sentence structure; text development; and basic vocabulary. Equal emphasis is placed on speaking, reading, and writing skills in Swahili and the course stresses the use of Swahili in context.

SWAH-103 Swahili Elementary II (3) Continuation of SWAH-102. Usually offered every spring. *Prerequisite:* SWAH-102 or equivalent.

SWAH-112 Kiswahili Elementary I (3) Offered as part of the AU Abroad Nairobi, Kenya program. This foundation course in Kiswahili introduces students to pronunciation; formulaic greetings; the noun class system; the concordial agreement system associated with verb structure, relative construction, and possessive pronoun and adjective formation; adverbs; sentence structure; text development; and basic vocabulary. Emphasis is placed on speaking, reading, and writing skills and the use of Kiswahili in context. Usually offered every term.

SWAH-113 Kiswahili Elementary II (3) Offered as part of the AU Abroad Nairobi, Kenya program. Continuation of SWAH-102/SWAH-112. The course offers more advanced Kiswahili grammatical constructions, more situational conversations, and deeper cultural information. Usually offered every term. *Prerequisite:* SWAH-102/SWAH-112 or equivalent.

SWAH-212 Kiswahili Intermediate I (3) Offered as part of the AU Abroad Nairobi, Kenya program, this course explores more complex grammatical issues and communication styles, including translation. Students are introduced to Kiswahili literature, including poems, novella, and newspapers, and traditional and modern music. Usually offered every term. *Prerequisite:* SWAH-103/SWAH-113 or equivalent.

SWAH-213 Kiswahili Intermediate II (3) Offered as part of the AU Abroad Nairobi, Kenya program, this course continues the study of advanced grammatical structure and communication styles, including translation. Students continue the study of literature and oral communication relevant to cultural understanding in the environment of Nairobi. Instruction in Sheng dialect is included. Usually offered every term. *Prerequisite:* SWAH-212 or permission of instructor.

Washington Semester

Undergraduate Courses

WSEM-120 Mentored Field Practicum (3) This course for students in the Washington Mentorship Program includes two parts: the professional component, a two-day per week work experience to give students hands-on, “real world” experience; and the academic component designed to help students learn to reflect analytically on their work experience in relation to their professional and academic goals. Through written assignments, analysis of readings, lectures, class discussions, individual meetings with the instructor, and presentations, the academic component provides a framework for structuring the students’ experiential learning. Usually offered every fall. *Prerequisite:* admission to the Washington Mentorship Program.

WSEM-400 Washington Summer Internship and Seminar (3-6) The Washington Summer Internship Program is designed to provide on-the-job training for college students from across the country in their respective fields of interest, including national government and politics, foreign policy and international affairs, economic policy and international business, justice and law, or print and broadcast media and communication. Students work four and one-half days each week. The other half day is devoted to seminars with practitioners and small group discussions. Usually offered every summer.

Graduate Courses

WSEM-600 Washington Summer Internship and Seminar (3-6) The Washington Summer Internship Program is designed to provide on-the-job training for college students from across the country in their respective fields of interest, including national government and politics, foreign policy and international affairs, economic policy and international business, justice and law, or print and broadcast media and communication. Students work four and one-half days each week. The other half day is devoted to seminars with practitioners and small group discussions. Usually offered every summer.

WSEM-690 Washington Semester Independent Study Project (1-6) *Prerequisite:* permission of Washington Semester program.

WSEM-691 Washington Semester Internship (1-6) *Prerequisite:* permission of Washington Semester program.