March 30, 2013

Participant Registration | 8:30–3:45 PM
Rotunda

Session One | 9:00–10:30 AM
Adventures with Acoustics, Zebrafish, and Mangroves
Katzen 112

Art, Violence, and Nationalism
Katzen 115

Politics and Gender in Film, Literature, and Anthropology
Katzen 123

Performing Identities
Katzen 151

Performance I—Shakespeare and Cabaret
Studio Theatre

Morning Poster Session | 9:30–11:30 AM
Rotunda
Biochemistry, Biology, Chemistry, and Physics

Break | 10:30–10:45 AM

Session Two | 10:45 AM–12:15 PM
Professional Presentation Prize in the Humanities
Katzen 112

Cells, Brains, Machines, and Networks
Katzen 115

Credit, Development, and Globalization
Katzen 123

Reading Gender in Religion and Advertising
Katzen 128

Sexuality, Dating, and Disease
Katzen 151
March 30, 2013

Luncheon | 12:30–1:30 PM
Rotunda

Session Three | 1:45–3:15 PM
Dealing with Disease and Displacement Katzen 112
Experiences in Education Katzen 115
Gender and Sexuality in Literature Katzen 123
The Uses of History Katzen 128
Theory and Sentiment Katzen 151

Afternoon Poster Session | 2:30–4:30 PM
Rotunda
Performing Arts, Psychology, and American Studies

Session Four | 3:30–5 PM
Gender Games Katzen 112
Hope and Despair in Literature and History Katzen 115
Images and Actions and Sounds Katzen 123
Immigration, Gentrification, Privilege Katzen 128
Investigations in Modern History Katzen 151
Biological Experiments and Physics Adventures Katzen 210

Session One | 9:00–10:30 AM
Adventures with Acoustics, Zebrafish, and Mangroves
Chair: Professor Nate Harshman, Physics
Katzen 112
The Development of Nociception and the Opioid System in Zebrafish
Lila Rieber, Senior, Biology
Analysis of Mangrove Growth Rings to Recreate Environmental Conditions in Guam
Melanie Yates, Senior, Environmental Science
The Impact of Methimazole on the Development of Larva Zebrafish
Alfred Keith Felix Mabika Obanda, Senior, Biology
Building a Sonar: Design and Analysis of Acoustics
TJ Bollerman, Senior, Mathematics and Economics
Acoustic Mapping of Physical Environments
Julie Warner, Senior, Mathematics and Physics

Art, Violence, and Nationalism
Chair: Professor Juliet Bellow, Art
Katzen 115
On Joseph and Family Ties: Seeing Themes of Family and Patriarchy in the Borgherini Joseph Series
Kari Allegretto, MA Candidate, Art History
Contested Boundaries: Rashid Rana and the Body Politic in South Asia
Rachael Pullin, MA Candidate, Art History
Session One | 9:00–10:30 AM

Performing Identities
Chair: Professor Shalini Ayyagari, Performing Arts
Katzen 151

Resettlement of Interned Japanese Americans Post-Incarceration
Robin Brown, Senior, Anthropology

The Impact of Music Videos
Daniel Leon, Senior, International Studies

¡Yo DC!: A Look and Listen to Latino Identity in the DC Hip-Hop Scene
Efrain Ramirez, Senior, Sociology

I Slam Therefore I Am: Slam Poetry and Its Uses for Social Change and Internal Resolution of Conflict
Meredith Daniel, Senior, Sociology

Beating Out a Space: Samba-Reggae Drumming, Transnationalism, and Women’s Empowerment in Washington, D.C.
Ellen Rice, Senior, Music

Rebekah Smith, Senior, Sociology

Politics and Gender in Film, Literature, and Anthropology
Chair: Professor Gretchen Schafft, Anthropology
Katzen 123

Female Genius
Gaby Alleva, Junior, Literature

Green Screening Dissent: Post Revolutionary Iranian Cinema as National Forum for Political Discontent
Karina Zannat, Senior, Economics

“I Ain’t No Queer” Cinema
Megan Eberly, Senior, Literature

Voices of the Veil: Bringing a Balanced View of the Hijab to the Western World
Ashley Vemuri, Senior, Literature and International Studies

Kissing the Cuban Flag: Ernest Hemingway’s Humanist Criticism of Mainstream Marxism
Eric Langlois, Senior, Literature

Healing through Exposure: The Potential Benefits of Dramatherapy in East African Refugee Camps
Camille Kashaka, MA Candidate, Arts Management

Running Alongside Them: Shomei Tomatsu’s Nagasaki: Wristwatch and Representations of a Nation in Postwar Japan
J. Rachel Gustafson, MA Candidate, Art History
Session One | 9:00–10:30 AM

Performance I—Shakespeare and Cabaret
Chair: Professor Fernando Benadon, Performing Arts
Studio Theatre

Transcending Communicative Barriers:
A Japanese Response to American Dance by the Deaf
Fu Hamabe, Sophomore, International Studies

United Through Music: The Impact of Music on Healing
After Tragedy and Bonding During Celebration
Noelle Magrino, Junior, International Studies

Who Gets to Go: Artistic Decision Making and Foreign
Policy as Factors in Cultural Diplomacy
Rebekah Nantz, Junior, International Studies

Romantic Values, Cultural Context, and Paul Rudd: The Love
Triangle in Three Film adaptations of “Romeo and Juliet”
David Stauffer, Junior, Political Science and Statistics

A Fight by Any Other Name: Culture and Context Reflected
in Adaptations of the Fight Scene in “Romeo and Juliet”
Jenny Sue Ross, Senior, International Studies

Whose World, Whose Music? An Examination of the Origins,
Implications, and Alternatives to the Term “World Music”
Jacob Bell, Sophomore, International Studies and Economics

Morning Poster Session | 9:30–11:30 AM

Biochemistry

Synthesis of Ruthenium-ATP via Phosphorylation via Phosphorylation
Dhea Patel, Senior, Biochemistry

The Effect of Chirality on Bactericidal Activity
Carly Montanero, Senior, Biochemistry

Quantifying Streptavidin with Alexa-dye Labeled Aptamer
Keyun Wang, Senior, Biochemistry

Biology

Food Stamps and Food Deserts: The Effect of Location on
Government Supplemented Food
Harry Tarter, Freshman, Communications, Law, Economics,
and Government (CLEG)

Olivia Hoppe, Freshman, Film and Media Arts

The Human Papilloma Virus Vaccine at American University:
A Student’s Perspective
Saiyidah Lemon, Sophomore, Health Promotion

Emily Meyer, Sophomore, International Studies

Emily Cea, Freshman, Health Promotion

Experimental Manipulation of Codon Bias in Escherichia coli
Anne Ballard, Senior, Biology

The Effects of Hyperglycemia on the Inflammatory
Pathways in Zebrafish Retina
Cassandra Baker, Senior, Biology

Paradox and Mechanisms of the Tpl2 Gene in Skin Cancer
Sarah Goodheart, Senior, Biology
Morning Poster Session | 9:30–11:30 AM

Examination of Triclosan-resistant Bacteria and Understanding of Antibiotic Use at American University
Joseph Ventre, Freshman, Political Science
Elizabeth Workman, Sophomore, Biology
Aoife Dowd, Sophomore, International Studies
Anand Adhikari, Sophomore, Biology
Jessica Dawson, Sophomore, Biology

Chemistry

Glycopeptide Isolation of Bovine Fetuin by Electrostatic Repulsion-Hydrophilic Interaction Chromatography
Christopher Wike, MS Candidate, Chemistry

Physics

The Mechanical Loss of Silica
David Belyea, Senior, Physics
Symmetries in the Quantum Four-Body Problem
Brian Weinstein, Senior, Physics
Mechanical Loss in Hysol EA 9313 Epoxy Adhesive
Raymond Robie, Senior, Physics and Philosophy

Session Two | 10:45 AM–12:15 PM

Professional Presentation Prize in the Humanities
Chair: Professor April Shelford, History
Katzen 112

Take Me Out to the Ball Game:
How Modernization of Baseball Changed Umpiring 1970-1999
Ryan Englekirk, PhD Candidate, History

Nazi Agents in Franco’s Spain:
Collaboration in Intelligence and Policing
Lindsay MacNeill, PhD Candidate, History

Advocates for International Equality: United States Senators’ Support for Indian Self-Determination During World War I
Andrew Chatfield, PhD Candidate, History

Cells, Brains, Machines, and Networks
Chair: Professor Maria Gomez-Serrano, Psychology
Katzen 115

Obesity and Traumatic Brain Injury in Veterans:
A Diffusion Tensor Imaging Study
Carissa Mehos, PhD Candidate, Behavior, Cognition, and Neuroscience

Social Network Analysis–Statistical Applications
Anahi Rebatta Sun Han, MS, Statistics
(December 2012 Graduate)

Event-Tracking Stochastic Model Reveals Dynamics of Atherosclerotic Plaque*
Jiao Yu, MS Candidate, Statistics

* Coauthored with Klaus Ley, MD, Division of Inflammation Biology, La Jolla Institute for Allergy and Immunology; and Maria K. Pospieszalska, PhD, Department of Mathematics and Statistics, American University, and Division of Inflammation Biology, La Jolla Institute for Allergy and Immunology
Session Two | 10:45 AM–12:15 PM

An Application of the “Super Learner” in Survival Analysis
Cindy Cook, MS Candidate, Statistics

The Importance of Source and Cue Type in Everyday Prospective Memory
Joyce Oates, PhD Candidate, Behavior, Cognition, and Neuroscience

Credit, Development, and Globalization
Chair: Professor John Willoughby, Economics
Katzen 123

The Effects of Labor Migration on Sending Villages in Northern India
Maura Farrell, Senior, Economics and International Studies

The Impact of Education on Successful Micro-lending in Sri Lanka: Evidence from a Field Experiment
Nazran Baba, BA, Economics and Literature (December 2012 Graduate)

International Studies Students with Vegetarian Anarchistic Culture? Exploring United Students Against Sweatshop Leaders’ Understandings of Solidarity and the Global Fight Against Uneven Development
Nicholas Florko, Senior, International Studies and Sociology

Development of the Balkans: A Comparative Economic Analysis
Daniel Kryger, Senior, Economics

Access to Credit and Migration in Uganda: Complements or Substitutes?
Canyon Bosler, Senior, Mathematics and Economics and International Studies

Session Two | 10:45 AM–12:15 PM

Reading Gender in Religion and Advertising
Chair: Professor Marianne Noble, Literature
Katzen 128

Batman’s Domination of a Female Gotham
Anastasia Person, Senior, Literature

Liberated Woman, Fulfilled Jew: Gender and the Jews for Jesus
Ivy Johnson, Senior, History

Exploring the Role of Children’s Books in the Process of Gender Socialization
Marlena Serviss, Senior, Anthropology

Bridging the Gap Between African and Western Feminism
Katie Alexander, Senior, Literature

Sexuality, Dating, and Disease
Chair: Professor Andrea Brenner, Sociology
Katzen 151

When Women Go Wrong, Men Go Right After Them: Courtship and Dating Portrayed in Top Grossing Millennial Romantic Comedies
Samia Penalver, Junior, Sociology

Along Came “Poly”: Perspectives on Autonomy in Intimate Relationships from Polyamorous Women
Kate Harrison, Senior, Sociology

Be Wise, Condomize: A Comparative Content Analysis of Condom Advertisements in the United States and South Africa
Jenna Lenskold, Senior, Sociology

The Best of Both Worlds: Changes in Information About Bisexuality in New York City Public Schools’ Sex Education Courses
Danielle Cappello, MED Candidate, Curriculum and Instruction
Afternoon Poster Session | 2:30–4:30 PM

Performing Arts

A Synthesis of the Theatrical Arts in Regards to Analyzing and Constructing a Directorial Matrix
Marcus Pitcavage, Freshman, Graphic Design
Charlotte Bergmann, Freshman, Journalism
Bryonna Cleland, Sophomore, Public Communication
Diana Cummiskey, Sophomore, Anthropology

Psychology

Gender-typed Descriptions (Not Occupations) Affect Expectations of Females Wearing Makeup in the Workforce
Taleen Nalabandian, Senior, Psychology and Literature
Joyce Oates, PhD Candidate, Behavior, Cognition, and Neuroscience

Age and Gender Affect Memorability and the Effectiveness of Compliance Strategies
Swathi Nuli, Senior, Justice and Law and Psychology
Joyce Oates, PhD Candidate, Behavior, Cognition, and Neuroscience

Metacognitive Judgments in Music Performance
Brian Brandler, MA Candidate, Psychology

Magical Thinking in Decision Making About Companion Animals
Lennea Bower, MA Candidate, Psychology

Adolescent and Adult Fischer 344 and Lewis Differences in Morphine-induced Taste Aversions
Zach Hurwitz, PhD Candidate, Behavior, Cognition, and Neuroscience

Comparing Recall of Distant Memories to Rumination and Avoidance as a Cause for Overgeneral Memory
David Falco, MA Candidate, Psychology

Afternoon Poster Session | 2:30–4:30 PM

Age Differences in (±)3,4-Methylenedioxymethamphetamine (MDMA)-induced Conditioned Taste Aversions and Monoaminergic Activity
Jen Cobuzzi, PhD Candidate, Behavior, Cognition, and Neuroscience

Effect of History of Taste Aversion Conditioning on Place Preference Learning In Rats
Heather King, PhD Candidate, Behavior, Cognition, and Neuroscience

Assessment of 5-HT3 Receptor Antagonism on Cocaine-Induced Conditioned Taste Aversions
Maria Briscione, Senior, Biochemistry

American Studies

America’s Cold War Cultural Diplomacy and Soft Power: The Example of the 1958 Brussels World’s Fair
Coralie Duperrin, MA Candidate, American Studies (Abroad at AU)
Dealing with Disease and Displacement
Chair: Professor Chenyang Xiao, Sociology
Katzen 112

The Effects of HIV/AIDS Related Stigmatization of Sexual Minorities and People of Color Through Popular Media
Trisha Clifton, Junior, Anthropology

Who’s on the Bus: the Effects of Ending Race Based Busing on Charlotte-Mecklenburg County Schools
Laura Hale, Senior, Sociology and Women’s, Gender and Sexuality Studies

Fostering Communication: Social Workers’ Perception of Foster Parents
Tina Thomas, Senior, Sociology

Full Disclosure: Selection, Support, and Success for College Students with Learning Disabilities
Isadora Rose Stern, Senior, Sociology

Transitioning in Crisis; Stigma, HIV, and Homelessness Among the Transgender Population in Southeast Washington D.C.
Gwen Ledford, Senior, American Studies

Experiences in Education
Chair: Professor Farhang Erfani, Philosophy and Religion
Katzen 115

Joanna Whitaker, MA Candidate, International Training and Education

Session Three | 1:45–3:15 PM

The Benefits of Onset-Rime Instruction
Steven Eskay, MA Candidate, Special Education: Learning Disabilities

How Experiential Learning Affects Reading Comprehension in Students with Learning Disabilities
Rachel Danner, MA Candidate, Special Education: Learning Disabilities

The Employment and Earnings Effects of the Georgia Job Creation Tax Credit: A Regression Discontinuity Design Approach
Daniel Kuehn, PhD Candidate, Economics

Gender and Sexuality in Literature
Chair: Professor Lauren Weis, Philosophy and Religion
Katzen 123

Refocusing on the Rebellious Perception of Beat Rebellion
John Bradley, Senior, Literature

The Feminine Loss of Beauty
Hope Pedisich, Senior, Literature

Sex, Gender, and Life: An Exploration of the Role of Science in Our Embodied Experience
Bhavesh Pranav, Senior, Biology and Philosophy

Failed Domestics: Cranford’s Critique of Early Victorian Models of Domesticity
Meridian Ganz-ratzat, Senior, Literature

(Un)dressing Akaky Akakievich: A Queer Approach to Desire in “The Overcoat”
Kristin Wowk, Senior, Literature
Session Three | 1:45–3:15 PM

The Uses of History
Chair: Professor Mary Frances Giandrea, History
Katzen 128

“A Genuine Rus”: Perceptions of Russians in American Culture, 1789-1865
Sarah Adler, Senior, History and American Studies

Closing Crucible: A Positive Collective Memory of Deindustrialization
Angela Modany, Senior, Journalism and History

Ian Toller-Clark, Senior, History

“Baching” It: Single Women, Language, and Homestead Land Policy
Hallie Borstel, Senior, History

Changes in National Media’s Treatment of Math Education from 1970 to 1989
Haylee Wilson, Senior, Public Communications and History

Session Three | 1:45–3:15 PM

Theory and Sentiment
Chair: Professor Deborah Payne, Literature
Katzen 151

Behind the W. M. Cobb Collection: The Significance of Bio-Anthropological Research
Allison Hill, Senior, Anthropology

Educating the Janeite: Revisiting Film Adaptations of “Pride and Prejudice”
Kelsey Congdon, Senior, Literature

Wordsworthian Chaos
Josh Cooper, Senior, Literature

Modern Nostalgia: Virginia Woolf and T. S. Eliot’s Use of Renaissance Drama During the 1930s
Annie Buller, Senior, Literature

Sentimentality: A Reclaiming of Emotional Discourse
Sartaz Singh, Senior, Literature and Business Administration
Session Four | 3:30–5:00 PM

Gender Games
Chair: Professor Andrea Brenner, Sociology
Katzen 112

Beyond the Tutu: Locating and Creating the Self in a Pile of Tutus
Jordana Condon, Senior, Sociology

In Defense of Guns, America, and Men: The NRA’s
Perpetuation of Hegemonic Masculinity Through Political
Communications
Emily Ruff, Senior, Sociology

Beyond the Bra: Depictions of Female Athletes on Sports
Magazine Covers
Jill Hyman, Senior, Sociology and Philosophy

A Scrum of Their Own: Why Women Play Rugby, and How
Team Culture Affects Player Participation with the American
University Women’s Rugby Football Club
Erika Baumann, Senior, Sociology and Film and Media

Hope and Despair in Literature and History
Chair: Professor Justin Marquis, Philosophy and Religion
Katzen 115

Foucauldian Analysis of the Ethics of Forgiveness in Terms
of the Holocaust
Jessy Murgel, Senior, Philosophy and History

Faulkner’s Transformations of the Modernist Elite in
“At I Lay Dying”
Kate Hudkins, Senior, Literature

The Psychology of “King Lear”: A Cognitive Dissonant Tragedy
Taleen Nalabandian, Senior, Psychology and Literature

Eating Semmi: What Sprouts from Emptiness
Autumn Rauchwerk, Senior, Environmental Studies

Session Four | 3:30–5:00 PM

Images and Actions and Sounds
Chair: Professor Caleen Jennings, Performing Arts
Katzen 123

Cabaret: A Dramaturgical Perspective
Jeff Gan, Senior, International Studies and Theatre
Megan Westman, Senior, History

Looking Back and Moving Forward: Chromatic Techniques
in Franck’s Violin Sonata in A Major
Allie Martin, Senior, Music

“Give Me Excess of It!”: Material Extravagance in “Twelfth Night”
Cara Murray, Senior, Literature

Contrasting Images of Eve and Mary
Annie Baldauf, Senior, Art History

“O That I Knew Thy Heart”: Staged Violence and Empathy
from “Titus Andronicus” to “Macbeth” and “King Lear”
Jonelle Walker, Senior, Literature and Theatre

Immigration, Gentrification, Privilege
Chair: Professor Tristan Cabello, Anthropology
Katzen 128

Working Class Perspectives on Sustainability:
The Importance of Worker-Driven Sustainability Initiatives
Jenna Nichols, Junior, Anthropology

“The Police Have Got to Back Us Up:” Homophobic Hate
Crimes, Urban Renewal, and Racialized Citizenship
Claims in Washington, DC’s Logan Circle Neighborhood
Drew Ambrogi, Junior, American Studies
Session Four | 3:30–5:00 PM

Biological Experiments and Physics Adventures
Chair: Professor Tracey Slotta, Biology
Katzen 210

Centriole Position as a Directional Marker Of Homeostatic Corneal Epithelial Cell Movements
Erika Laine Silverman, Sophomore, Public Health

Mutational Processes in Cancer Genomes
Scott Piraino, Senior, Biology

The Differential Expression of MDPV-Induced Taste Aversions, Thermoregulation, and Brain Amine Levels in Adolescent and Adult Rats: A Behavioral and Neurochemical Assessment of “Bath Salts”
Andrew Merluzzi, Senior, Psychology

Determining the Significance of Cobalt-60 in EXO-200
Terri Poxon-Pearson, Senior, Physics

Investigations in Modern History
Chair: Professor Max Friedman, History
Katzen 151

Barriers to Board Diversification
Anjali Lalani, MA Candidate, Arts Management

Women and Political Viewpoints in the Early American Republic
Meghan O’Connor, MA Candidate, History

An Arlington Homecoming: Medgar Evers’ Funeral and Civil Rights Rhetoric
Alison Kootstra, MA Candidate, History

Friends to the Enemies of all Mankind: Quakers, Pirates and Delinquency, 1690-1720
Brittany Carney, MA Candidate, History

Free Blacks, Slaves, and the Catholic Church in the District of Columbia, 1835-1866
Jessica Carlton, MA Candidate, History