Participant Registration - Rotunda
8:30 a.m. – 3:45 p.m.

Session One
9 a.m. – 10:30 a.m.
Survival and Subject Formation during a Time of Economic and Environmental Disaster
Scary Diseases, Sick Mangroves, and Weird Creatures Beneath the Sea
Transformations: Change in the Realm of the Human, the Supernatural, and the Aesthetic
Investigating Culture, Gender, and Transnational Economies
Cause and Effect: Theoretical and Computational Perspectives
The Creative Arts and Journeys Internal, Intercultural, and Interspecies
Katzen 112
Katzen 115
Katzen 123
Katzen 128
Katzen 151

Morning Poster Session - Rotunda
9:30 a.m. – 11:30 a.m.

Break
10:30 a.m. – 10:45 a.m.

Session Two
10:45 a.m. – 12:15 p.m.
Themes in Social Construction, Identity and Politics
Development and Growth: From Seagrass Beds to Zebra Fish to Rats
Mapping Space, Constructing Identity
From Whitman to Graphic Novels: Aesthetics and Emotion in Literature
Diet, Disease, Health and Selection
From DNA to Perception: Genes, Evolution, Development, Disease, and Cognition
Katzen 112
Katzen 115
Katzen 123
Katzen 128
Katzen 151

Luncheon - Rotunda
12:30 p.m. – 1:30 p.m.

Session Three
1:45 p.m. – 3:15 p.m.
Histories Transformed: Literature, Art, and Film
Extending the Boundaries of U.S. Foreign Relations
Mental and Emotional Health: Social, Psychological, and Treatment Issues
Waves and Particpiles from the Nuclear to the Galactic Scale
Unfinished Revolutions
Katzen 112
Katzen 115
Katzen 123
Katzen 128
Katzen 151

Afternoon Poster Session - Rotunda
2:30 p.m. – 4:30 p.m.

Session Four
3:30 p.m. – 5:00 p.m.
Social Messages and Personal Identity
Reshaping Identities in War and Apocalypse
Sociological Perspectives of Educational Issues and Campus Life
Science and Social Science
Women: Body, Self, in Place, in Love, in Physics
Katzen 112
Katzen 115
Katzen 123
Katzen 128
Katzen 151

Studio Theatre
Session One:
9 a.m. – 10:30 a.m.

Survival and Subject Formation during a Time of Economic and Environmental Disaster
Chair: Professor David Vine, Anthropology
Katzen 112

Erasure and Subject Formation within the Neoliberal Construction of Disasters in the United States
Heather Smith, PhD Candidate, Anthropology

Greening Labor Unions? Environmental Attitudes and Beliefs of Labor Union Members
Erik Kojola, MA Candidate, Sociology

Making Ends Meet: Black, Shadow, Informal and Formal Markets in Contemporary Cuba
Hope Bastian Martinez, PhD Candidate, Anthropology

Universal Politics: Neo-Pentecostalism, Candomblé and Politics of Space
Rachel Cantave, PhD Candidate, Anthropology

Scary Diseases, Sick Mangroves, and Weird Creatures Beneath the Sea
Chair: Professor David Culver, Environmental Science
Katzen 115

A Differential Equations Analysis of Pandemic Disease Spread in an Apocalyptic State
Robert Grell, Senior, Mathematics

Biological and Chemical Analysis of Seepage Springs and Vernal Pools of National Capital East Parks (NPS)
Jenna Mitchell, Sophomore, Undeclared
Michael Sheffield, MS Candidate, Environmental Science

Metabolic Rate of Cave and Surface Amphipods to Determine Survival in Warming
Kait Esson, Senior, Biology

Session One: (cont.)
9 a.m. – 10:30 a.m.

Transformations: Change in the Realm of the Human, the Supernatural, and the Aesthetic
Chair: Professor Deborah Payne Fisk, Literature
Katzen 123

"Wicked Artes:” Human-to-Animal Transformations in Early Modern Europe
Julia Dieperink, Senior, History

Fairy Tales and Society: How Changes in the Tales Illuminate the Needs of Different Audiences
Mel Hollimon, Senior, Literature

Family Within the Vampire Narrative—The Singular Versus The Plural
Allison Baron, Senior, Literature

Harry Potter and the Order of Economic Theory
Nazran Baba, Senior, Economics and Literature

Poe’s Beautiful "Imp"
Hayley Munn, Senior, Literature

Investigating Culture, Gender, and Transnational Economies
Chair: Professor Kimberly Sims, History
Katzen 128

"Our Own Honor Demands;” The Emancipation of Slaves in the District of Columbia
Victoria Disston, Senior, History and Secondary Education

Sisters and Sisterhood: An Historical Assessment of Sorority Culture and the Women’s Movement in the Late Twentieth Century
Tiernan Donohue, Senior, Political Science and History

Some Honest Women: Gender and the Eradication of Vice in Gold Rush San Francisco
Hannah Herbert, Senior, History
Session One: (cont.)
9 a.m. – 10:30 a.m.

Transnationalism as the Globalization of Capitalism and the Expansion of Social Networks in the Dominican Republic
Boris Santos, Senior, Political Science

“What Shall We Do With a Drunken Sailor?” Alcohol Reform and the Union Navy
Sarah Adler, Junior, History and American Studies

Cause and Effect: Theoretical and Computational Perspectives
Chair: Professor Steven Casey, Mathematics and Statistics

Adaptive Signal Processing
Bill Moore, MA Candidate, Mathematics

Effects of Fluoxetine in Juvenile Guppies, Poecilla Reticulata
Marco Pelli, MS Candidate, Environmental Science

Lifting Representations of Finite Reductive Groups
Michael Cassel, MS Candidate, Mathematics
Emma Morgan, Senior, Mathematics

The Creative Arts and Journeys Internal, Intercultural, and Interspecies
Chair: Professor Leah Johnson, Literature

Into the Veldt
Elizabeth Naro, Senior, International Studies

The Shadow Menagerie: A Novel of Urban Myth
Matthew Makowski, Senior, Biology

The Knowledge of Karagattam
Ted Samuel, PhD Candidate, Anthropology

Session Two:
10:45 a.m. – 12:15 p.m.

Themes in Social Construction, Identity and Politics
Chair: Professor Natalia Ruiz-Junco, Sociology

Local Song, Celestial Voice: Mapping Nusachim Tropes among Washington, DC's Jewish Musicians
Max O’Hern, Junior, Music

News media and the construction of neighborhood desirability: The case of Petworth, Washington, DC
Mary Donoghue, Senior, Sociology

The Tea Party Movement, Identity, Framing, and the News Media
Alison Olhava, Senior, Political Science and Sociology

Transracial Adoption: A Love Story
Rachel Birnbaum, Senior, Sociology

“What else feels like this?” Genderqueer Tumblr Communities and the Creation of Social Identity
Maggie Campbell, Senior, Sociology and Women's, Gender, and Sexuality Studies

Victorian East London and the Public Museum
Lindsay Inge, Senior, History
Session Two: (cont.)
10:45 a.m. – 12:15 p.m.

Development and Growth: From Seagrass Beds to Zebra Fish to Rats
Chair: Professor Anthony Riley, Psychology

Adolescent Exposure to Methylphenidate Has No Effect on Cocaine-induced Taste Aversions in Adulthood
Bradley Wetzell, PhD Candidate, Behavior, Cognition and Neuroscience

Effects of Thyroid Hormone Inhibitor Methimazole (MMI) on Eye Development and Spinal Curvature in Zebra Fish
Masha Reider, PhD Candidate, Behavior, Cognition and Neuroscience

Status of Seagrasses as an Indicator of Nutrient Pollution in Guam
Kate Pinkerton-Brill, MS Candidate, Environmental Science

The Effect of Adolescent or Adult Ethanol Exposure on Cocaine Self-administration in Adult Rats
Mary Anne Hutchison, PhD Candidate, Behavior, Cognition and Neuroscience

Mapping Space, Constructing Identity
Chair: Professor Juliet Bellow, Art

Readymade Rrose: The Art of the Alter Ego
Kari Allegretto, MA Candidate, Art History

Spirituality and Liminal Space Along the Camino de Santiago
Meghan Meros, MA Candidate, Spanish: Latin American Studies

The Crescent and the Cross: Negotiating Norwegian Religious and National Identity
Lauren Mckown, PhD Candidate, Anthropology

The Lost Perspectival Theories of Paolo Uccello
Emily Heap, MA Candidate, Art History

Youth Disillusionment and Education Reform Reversal: A Slippery Slope of Sustained Ukrainian Democracy
Lauren Bruce, MA Candidate, International Training and Education

Session Two: (cont.)
10:45 a.m. – 12:15 p.m.

From Whitman to Graphic Novels: Aesthetics and Emotion in Literature
Chair: Professor Richard Sha, Literature

O Vast Rondure!: Walt Whitman, the Bhagavad Gita and the World
Samantha Sabol, Senior, Political Science and Literature

Growing Graphic: Depictions of Masculinity in Young Adult Graphic Novels
Bridget Joyce, Senior, Sociology

Heidegger, Romanticism and Emotion
Alex Burchfield, Senior, Philosophy and International Studies

The Pilgrimage in Jay Wright’s Work
Nate Thompson, Senior, Literature

Vibrant Tales: Aesthetics in Ntozake Shange’s For Colored Girls and Womanism
Jane Dempsey, Senior, Performing Arts: Theatre

Diet, Disease, Health and Selection
Chair: Professor Stephen MacAvoy, Environmental Science

Cholera in Nineteenth-Century Philadelphia: A Study of Beliefs and Biases in the Public and Medical Communities
Marina Gonzalez, Senior, History

Convenience Food and African-American Women: Advice from Ebony in the Soul Food Era
Linda Monahan, Senior, American Studies

Food Deserts and Obesity in the American South
Elyse Higley, Senior, Mathematics and Economics; Business, Language, and Culture

NCDs among Native Hawaiians and Other Pacific Islanders
Jordan Allen, Senior, Health Promotion
Session Two: (cont.)
10:45 a.m. – 12:15 p.m.

Scientific Selectivity: Creating Intellectual Typologies
Allison Hill, Junior, Anthropology

You Are Where You Eat: A Look Into the Relationship Between
Gentrification and Food Environments
Erik Jacobsen, Senior, Sociology

From DNA to Perception: Genes, Evolution, Development,
Disease, and Cognition Katzen 210
Chair: Professor David Angelini, Biology

Analysis of Codon Bias in Insect Developmental Genes
Matthew Makowski, Senior, Biology

Building Bigger Beetles
Julie Szymaszek, Senior, Biology

Examining Eye Pigmentation Genes in Jadera and Oncopeltus
Madeleine Roberts, Senior, Economics

Laterality and Reaction Time in Identifying Target Visual Stimulus in
Chimeric Objects
Michael O'Mahoney, Senior, Biology

Mechanistic Study of Novel Beta-Lactam Compounds
Steven Moss, Senior, Biochemistry

The Relation of Telomerase Function and Premature Aging in Down
Syndrome Patients
Robert Grell, Senior, Mathematics

Session Three:
1:45 p.m. – 3:15 p.m.

Histories Transformed: Literature, Art, and Film Katzen 112
Chair: Professor Erik Dussere, Literature

"Because We Lost:“ The Literary Connection between
Transforming Americas
Shelby Krick, Senior, Literature

Schindler’s List: A Self Reflexive Text?
Luke Taylor, Senior, Film and Media and Literature

The Sacred and the Feminine: The Manuscript Illuminations of
Hildegard of Bingen and Herrad of Landsberg
Allison Porambo, Senior, Art History

Trauma, Temporality, and Fantasy
Francesca Morizio, Senior, Literature

Trauma: What’s the Catch?
Will Beaudouin, Senior, Literature

Extending the Boundaries of U.S. Foreign Relations Katzen 115
Chair: Professor Max Paul Friedman, History

Shadow Diplomacy: Intelligence and Franco-American Relations
1945-1950
Susan Perlman, PhD Candidate, History

The Contradiction of Neutrality and International Finance:
The Presidency of Thomas H. McKittrick at the Bank for
International Settlements in Basel, Switzerland 1940-46
Jason Weixelbaum, PhD Candidate, History

The Power of the Prose: How the Intervention of a Journalist Secured
the 1963 Limited Test Ban Treaty
Allen Pietrobon, PhD Candidate, History

The Movies You Never Saw
Daniel Cipriani, PhD Candidate, History
Session Three: (cont.)
1:45 p.m. – 3:15 p.m.

Mental and Emotional Health: Social, Psychological, and Treatment Issues
Chair: Professor David Kearns, Psychology

- What Are They Worth? Appraised Value of Unlicensed Mental Health Providers
- Anne Probst, Senior, Sociology
- The Relationship Between Fear of Emotion and Interpersonal Competence
- Sharon Shih, Senior, International Studies
- The Sociology of Hoarding: A Study of Low-Income, Elderly Hoarders in Washington, DC
- Emily Parker, Senior, Sociology

Waves and Particibles from the Nuclear to the Galactic Scale
Chair: Professor Nathan Harshman, Physics

- A Study of Water in Protoplanetary Disks around T-Tauri Stars
  Betsy White, Senior, Physics
- Entanglement in Quantum Harmonic Chains
  Noel Klingler, Senior, Physics
- Gesture and Loudness Relationships in Robotic Music Systems
  Nathaniel Waggoner, Senior, Audio Technology
- Plutonium Alternatives in Space Power
  Michelle Nadeau, Senior, Physics
- Polymer Mechanical Loss and Gravitational Wave Detection
  Robert Van Kirk, Senior, Biology and Physics

Session Three: (cont.)
1:45 p.m. – 3:15 p.m.

Unfinished Revolutions
Chair: Professor April Shelford, History

- Abolition and the American Revolution in Rhode Island
  Bridget Sullivan, MA Candidate, History
- Contesting the Centennial: Women's Suffrage, African-American Votes, and the Declaration of Independence
  Johanna Neuman, PhD Candidate, History
- The Complexity of Class in Renoir’s Ball at the Moulin de la Galette
  Catherine Southwick, MA Candidate, Art History
- The Right to Differ: The Original Battle over the Equal Rights Amendment, 1920-1935
  Rebecca Dewolf, PhD Candidate, History
- Using a Pen to Fight for Equality: Anglo-Jewish Women’s Participation in the Jewish Emancipation Movement in Britain, 1828-1858
  Ashley Cleeves, PhD Candidate, History
Session Four:  
3:30 p.m. – 5:00 p.m.

**Social Messages and Personal Identity**  
*Katzen 112*  
Chair: Professor Andrea Brenner, Sociology

- Trapped by the State: Exploring the Struggles of Incarcerated Trans Women and How Prisons can Protect Them  
  Kathleen McKenna, Senior, Sociology and Women's, Gender, and Sexuality Studies

- Facebook: Study of Friendship and Self Presentation  
  Blaise Corso, Senior, Sociology

- Male Genital Mutilation: Decision Making and Power Dynamics in Western Medicine  
  Matthew Stewart, Senior, Sociology

- The Positive Influence of Media: A Content Analysis of Seventeen Magazine  
  Asalou Givens, Senior, Sociology

- The Show Must Go On: Examining Body Image Problems Among Ex-Ballet Dancers  
  Rachel Frank, Senior, Sociology

**Reshaping Identities in War and Apocalypse**  
*Katzen 115*  
Chair: Professor Max Paul Friedman, History

- Postmodern Affect in the Post-apocalyptic Community of Parable of the Sower  
  Sarah Papazoglakis, MA Candidate, Literature

- Subjects No More: The Challenge Presented by Maroonage to the Ideology of Paternalism during the Revolutionary War  
  Nathan Bracco, MA Candidate, History

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Session Four: (cont.)  
3:30 p.m. – 5:00 p.m.

**Sociological Perspectives of Educational Issues and Campus Life**  
*Katzen 123*  
Chair: Professor Chenyang Xiao, Sociology

- Troupe Movements: Theater and the Crossing of Dividing Lines During the Civil War  
  Kelly Johnson, MA Candidate, History

- Was the All-Volunteer Force the Death of the Citizen-Soldier?  
  Andy Cox, MA Candidate, History

- Content Analysis of DC Public Schools Through Photography Program  
  Laura Vogler, Senior, Sociology

- Creating A Successful Campaign Strategy for Reducing Sexual Violence on College Campuses  
  Carmen Rios, Senior, Public Communication and Women's, Gender, and Sexuality Studies

- I'm Black and I'm Proud—and I'm More Than That: Black Identity in this Generation of College Students  
  Kanika Bynum, Senior, Sociology

- Teacher Prestige: The Cultural Differences between the United States and South Korea  
  Jessie Himmelstern, Senior, Sociology

- The Student Who Studies Sociology: A Study on the Use of Person-First Language  
  Lauren Collier, Senior, Sociology
Session Four: (cont.)
3:30 p.m. – 5:00 p.m.

Science and Social Science Katzen 128
Chair: Professor Jeffrey Adler, Mathematics and Statistics

- Government Spending and the Equality of Growth and Poverty Reduction in Kazakhstan
  Julianna Flanagan, Senior, Economics

- Survivor Involvement in Forensic Archeological Excavation
  Molly Miranker, Senior, Interdisciplinary Anthropology: Human Biology

- The Effects of Regional Jets on Airline Scheduling Decisions
  Mike Wittman, Senior, Mathematics and Economics

- The Value of Estimating Art Prices
  Zach Hodges, Senior, Mathematics and Economics

- Unemployment and Geographic Location: Re-Examining Recidivism Among U.S. Felons
  Sam Dean, Senior, Sociology

Women: Body, Self, in Place, in Love, in Physics (Katzen 151)
Chair: Professor Gay Young, Sociology

- (Re)Construction of the Surrealist Self
  Gretchen Kast, Senior, Literature and Film and Media Arts

- Confronting Under-representation: Does Gender Matter?
  Maggy Trachsel, Senior, Sociology

- Resistance of Female Oppression in the Great Gatsby
  Kate Mason, Senior, Literature

- The Risks of Re-calling the Venus Hottentot in Dialogue about the Female Body: An Assertion or Subversion of the Female Dialectic?
  Claire Caldwell, Senior, Literature and French Studies

- Women Writers Moving Women: A Study of Female Mobility in the Novels of Frances Burney and Jane Austen
  Alyssa Callan, Senior, Literature

Morning Poster Session:
9:30 a.m. – 11:30 a.m.
Rotunda

Biology

- Sex and Bugs: How Genes Determine Sex in Oncopeltus fasciatus
  Mara Laslo, MS Candidate, Biology

- Interaction of Neurotropic Enterovirus-71 with Receptor PSGL-1
  Matthew Makowski, Senior, Biology

- Populations Genetics of Gammarus minus Using Microsatellite Loci
  Victoria Mauro, Junior, Biology

- Parallel Reduction in Expression of the Eye Development Gene Hedgehog in Separately Derived Cave Populations of the Amphipod Gammarus minus
  Rashmi Prasad, Junior, Biology

Biochemistry

- The Assessment of Dopaminergic Involvement in Cocaine-induced Taste Aversions
  Maria Briscione, Junior, Biochemistry

- Covariation of Malate Dehydrogenase
  Tamra Fisher, Senior, Biochemistry

- Cationic Nanofibrillated Cellulose as a Flame Retardant for Poly(lactic acid)
  Laura Flynn, Senior, Biochemistry

- Quantifying Streptavidin using Fluorescent Aptamers
  Allix Hillebrand, Junior, Undeclared

- Keyun Wang, Junior, Biochemistry
Morning Poster Session: (cont)
9:30 a.m. – 11:30 a.m.
Rotunda

Environmental Science

- Effects of Epiphyte Growth on Sea Grass
  Stevia Morawski, Senior, Environmental Science

Health Promotion Management

- School Health Barriers and Gateways to Wellness: A Teacher’s Perspective
  Marisa Howard, MS Candidate, Health Promotion Management

Physics

- Classifying Quantumness of Guassian States
  Ryan Tillis, Senior, Physics

Psychology

- Two Weeks of Exposure to Cocaine Impairs Performance in Attentional Set Shifting Task
  Nina Connolly, PhD Candidate, Behavior, Cognition and Neuroscience

- Age-Dependent Differences in Morphine-Induced Taste Aversions
  Andrew Merluzzi, Junior, Psychology

- Trichotillomania Severity and Its Relation to Anxious and Depressive Symptoms
  Lauren McDonough, December 2011 Graduate, Psychology

Afternoon Poster Session:
2:30 p.m. – 4:30 p.m.
Rotunda

Biology

- Culture and Contraception in Rural Peru: A Case Study
  Elise Campbell, Senior, Biology

Biochemistry

- Reengineering Hemoglobin Through the Addition of Macrocyclic Transition Metal Complexes
  Carly Montanero, Junior, Biochemistry

Environmental Science

- Mapping the Distribution of Obligate Cave-Dwelling Invertebrates in Virginia
  Florita Gunasekara, MS Candidate, Environmental Science

- Quality of Life Stages of Breast Cancer throughout Treatment and Recovery
  Gabrielle LaBove, Senior, Environmental Science

- Rain Gardens and Permeable Pavement at AU
  Starr Brainard, Sophomore, Undeclared

- Soil Nitrogen Cycling in Limber Pines Affected by Mountain Pine Beetle
  Jennifer Jones, Senior, Environmental Science

Economics

- Optimizing the Data Transcription Process: A Buyer’s Guide
  Zach Duey, Junior, Mathematics and Economics and Philosophy
Afternoon Poster Session: (cont.)
2:30 p.m. – 4:30 p.m.
Rotunda

Health Promotion Management
School Health Policy: Food Consumption Patterns
Kathleen Young, MS Candidate, Health Promotion Management

History
The Powerful and the Prayerful: Jewish Women in Early Modern Italy
Rachel Rabinowitz, Senior, History

Physics
Increasing the Amount of Solar Power by Improving Efficiency
Bronwen Cohn-Cort, Senior, Physics

Psychology
Adolescent Child Experience of Parental Illness: An Examination of Dispositional Gratitude, Parent Illness Characteristics, and Family Factors
Maggie Arnold, PhD Candidate, Clinical Psychology

Assessment of the Aversive Effects of Peripheral Mu Opioid Receptor Agonism in Fischer 344 and Lewis Rats
Jen Cobuzzi, PhD Candidate, Behavior, Cognition and Neuroscience

Earworms
Nora Gibson, Senior, Psychology

Effects of Expectations on Loudness Difference Judgments
Julianne Moore, Senior, Psychology

Sociology
The Online Fat Acceptance Movement's Formation of the Offline Fat Identity
Sarah Hermans, Junior, Sociology