# SCHEDULE OF EVENTS

## RECOGNITION WEEKEND

**MAY 7/8, 2010**

### FRIDAY, MAY 7

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 9:00 A.M. - 5:00 P.M. | The Charles Proteus Steinmetz Symposium  
Presentations on student creative, scholarly and research achievement. Programs and information are available in the Arts Atrium, just inside the north entrance to Social Sciences and just inside the entrance to the Olin Building.  
**Student presentation sessions begin at 9:00 a.m.** |
| 1:00 P.M. - 4:00 P.M. | Becker Career Center Open House  
Becker Career Center |
| 6:30 P.M. | Steinmetz Symposium Banquet  
Upperclass Dining Hall  
**For Symposium presenters, their parents, guests, and faculty sponsors** |
| 8:00 P.M. | The Union College and Community Orchestra and Choir  
Memorial Chapel  
“Steinmetz Concert 2010” |

### SATURDAY, MAY 8

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 11:00 A.M. - 12:30 P.M. | Prize Day  
Memorial Chapel |
| 12:30 P.M. - 1:30 P.M. | Prize Day Reception  
Reamer Campus Center Patio |
| 1:00 P.M. - 2:00 P.M. | Union College Jazz Ensemble  
Taylor Music Center  
Fred L. Emerson Foundation Auditorium |

**The C-Store will be open:**  
Friday from 8:45 a.m. – 11:00 p.m.  
Saturday from 10:30 a.m. – 11:00 p.m.  
Sunday from 4:00 p.m. – 11:00 p.m.

**Schaffer Library will be open:**  
Friday from 10:00 a.m. – 6:00 p.m.  
Saturday from 10:00 a.m. – 6:00 p.m.  
Sunday from 10:00 a.m. – 6:00 p.m.

**The Bookstore will be open:**  
Friday from 8:45 a.m. – 6:30 p.m.  
Saturday from 10:30 a.m. – 3:30 p.m.  
Sunday closed
SESSION I

Art History
Visual Arts 215

Moderator: David Ogawa

9:00 | LISA CRESCENZO  
Art Collector's Gift

9:20 | DOMINICK CENTURIONI  
The Study of Membrane Microdomains Using Atomic Force Microscopy

9:40 | MARIA DZIALO  
Characterization of a putative caveolin interaction motif in the human follicle stimulating hormone receptor

10:00 | DILLON BETANCOURT  
Cloning and Expression of a putative metacaspase from Schizophyllum commune

10:20 | HUIQING ZHENG  
Cloning and Expression of a type I metacaspase from Schizophyllum commune

Biochemistry I
Olin 115

Moderator: Brian Cohen

9:00 | ISIAH BUCHANAN  
Isolation of PAF49 from E.coli for the creation of Anti-bodies

9:20 | BRADFORD O'HEARN  
Investigation of Ppt1 RNAi induced knock-down during Drosophila Neurogenesis

9:40 | AMY FRANKENTHALER  
An Analysis of 1 year versus 3 month alpha-Interferon Treatment in Patients with Melanoma Stages IIB, IIC, and IIIA

10:00 | LEAH ROBISON  
Developmental regulation of caspases in the colonial protochordate Botryllus schlosseri

Biological Sciences I
Bailey 207

Moderator: Leo Fleishman

9:00 | JAMESON DUNNE  
Emetos- Vomit in Ancient Medicine

9:20 | SUZANNE ESTOK  
Jealousy between Gods and Mortals in Ovid's Metamorphoses

9:40 | AMELIA ABBA  
The Uses of Barley and Pomegranate in Ancient Greek Medicine

10:00 | ANDY DONNELLY  
Agamemnon's Status in the Iliad

History I
Social Sciences 014

Moderator: Mark Walker

9:00 | RICHARD PAIKOFF  
Searching for a Soul: Exploring the Heritage of the Don Cossacks

9:20 | HARRY AARON  
The Greek Experience in World War Two

9:40 | MATTHEW BARRINGER  
History of the German Automobile Industry

10:00 | DANIEL BARRINGER  
Virtual History: The Battle of Agincourt

Chemistry
Olin 106

Moderator: Jim Adrian

9:00 | VALERIE ANGELL  
New Methods for Preparing and Testing Libraries of Pyrrolidine-Triazole Organocatalysts

9:20 | RACHEL GRAY  
Progress Toward an Organo-Catalyzed Multiple Component Reaction

Economics I
Social Sciences 017

Moderator: Mark Toher

9:00 | JEREMY FRITZHAND & AMANDA JUDSON  
Social Entrepreneurship: A Minerva Fellowship - 10 Months in Bagru, India

9:20 | JOHN MARA  
Labor Market Outcomes of Human and Social Capital Accumulated in College

9:40 | JOHN MAHLSTEDT  
Brand Name and Generic Pharmaceutical Price Behavior as Relating to Price Insensitive Market share and Substitutability: A Closer Look at the Generic Competition Paradox

10:00 | POOJA DAVE  
Does Racial Disparity in Healthcare Still Exist?

Latin American and Caribbean Studies
Humanities 019

Moderator: Lorraine Morales-Cox

9:00 | KATHARINE MEYER  
The Influence of Folk Art and the Rise of Nationalism in Mexican Art of the Post-Revolutionary Period

9:20 | DEANNA COX  
The Silenced Finally Speak: Afro-Descendant Brazilian Women

9:40 | KELLY LOPEZ  
Transnational Women: The Dominican Migration of Women to the U.S.
<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Presenter/Title</th>
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<tbody>
<tr>
<td><strong>Mathematics I</strong></td>
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<tr>
<td>Bailey 201</td>
<td>9:00</td>
<td>FOYROJ KABIR</td>
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<td></td>
<td>9:20</td>
<td>MOLLY MAGUIRE</td>
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<td>9:40</td>
<td>BENJAMIN MILES</td>
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<td></td>
<td>10:00</td>
<td>ANDREW TRELEASE</td>
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<tr>
<td><strong>Moderator:</strong></td>
<td></td>
<td>Christina Tennesen-Friedman</td>
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<tr>
<td><strong>Mechanical Engineering I</strong></td>
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<tr>
<td>Science &amp; Engineering Center N205</td>
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<td></td>
<td>9:00</td>
<td>KATHLEEN PHELAN</td>
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<td>9:20</td>
<td>MATTHEW FULGHUM</td>
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<td>9:40</td>
<td>DAVID SMOOT</td>
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<td>10:00</td>
<td>TODD HERMAN</td>
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<tr>
<td><strong>Moderator:</strong></td>
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<td>Ashok Ramasubramanian</td>
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<td><strong>Mohawk and Watershed Issues</strong></td>
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<tr>
<td>Olin 307</td>
<td>9:00</td>
<td>VERA ASHLEY KOVACK</td>
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<td>9:20</td>
<td>NICOLE REEGER</td>
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<td>9:40</td>
<td>WILLIAM SCHOENDORF</td>
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<td><strong>Moderator:</strong></td>
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<td>Jaclyn Cockburn</td>
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<td><strong>New Perspectives on Asian Studies</strong></td>
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<td>Social Sciences 012</td>
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<td>SEONG CHEOL MIN</td>
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<td>CASEY SHERIDAN</td>
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<td>SARAH TARDIFF</td>
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<td>10:00</td>
<td>CAMILLE MORI</td>
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<tr>
<td><strong>Moderator:</strong></td>
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<td>Joyce Madancy</td>
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<tr>
<td><strong>Passions Françaises and Francophones</strong></td>
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<tr>
<td>Humanities 014</td>
<td>9:00</td>
<td>ERIN BLIGH</td>
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<td>9:20</td>
<td>ANDREW PHILBIN</td>
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<td><strong>Moderator:</strong></td>
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<td>Charles Batson</td>
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<tr>
<td><strong>Psychology I</strong></td>
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<td>Bailey 312</td>
<td>9:00</td>
<td>KATHARINE DAVIS</td>
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<td>9:20</td>
<td>MEGAN HYNDMAN</td>
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<td>ELIZABETH RYAN</td>
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<td>10:00</td>
<td>HANNAH SCHOENBACH</td>
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<td><strong>Moderator:</strong></td>
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<td>Ken DeBono</td>
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<td><strong>Renewable Energy</strong></td>
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<td>Science &amp; Engineering Center N304</td>
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<td></td>
<td>9:00</td>
<td>GARETH LEWIS</td>
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<td>9:20</td>
<td>KATIE SOFIA</td>
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<td>ADAM WINSLOW</td>
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<tr>
<td><strong>Moderator:</strong></td>
<td></td>
<td>Richard Wilk</td>
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<tr>
<td><strong>Sociology I</strong></td>
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<tr>
<td>Social Sciences 016</td>
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<td></td>
<td>9:00</td>
<td>KAREN CHAN</td>
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<td>9:20</td>
<td>ELINA MERAS</td>
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<td>9:40</td>
<td>SHARY PARRA</td>
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<td>10:00</td>
<td>ANDREW MAK</td>
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<tr>
<td><strong>Moderator:</strong></td>
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<td>Melinda Goldner</td>
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**Steinmetz Symposium 2010**
### Session II

**Anthropology I**  
Social Sciences 014  
**Moderator:** Jeffery Witsoe

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<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Melissa McDonald</td>
<td>Changing Classrooms and Changing Communities: Cultural Adjustments for Refugee students and Citizens</td>
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<tr>
<td>10:50</td>
<td>Sara Mark</td>
<td>Environmental Racism: A Case Study of the Chevron Texaco Oil Refinery and the people of Richmond California</td>
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<tr>
<td>11:10</td>
<td>Julie Lichtblau</td>
<td>A New Approach to Combating Poverty: Insight Into Politically Active Nonprofit Organizations</td>
</tr>
<tr>
<td>11:30</td>
<td>Natalie Azzoli</td>
<td>Religious Identity and Culture- Secular Judaism at Union College</td>
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**Biological Sciences II**  
Bailey 207  
**Moderator:** Steven Rice

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Meredith Nearpass</td>
<td>The Investigation of the Function of Plasma Membrane Domains in Follicle Stimulating Hormone Signal Transduction</td>
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<tr>
<td>10:50</td>
<td>John Peters</td>
<td>Relation of Microdomain Residency to the Function of the Follicle Stimulating Hormone Receptor</td>
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<tr>
<td>11:10</td>
<td>Genevieve St. Hilaire</td>
<td>Quality Versus Quantity: Serum AMH Levels Predict Oocyte Viability and Pregnancy Success in Women Undergoing IVF</td>
</tr>
<tr>
<td>11:30</td>
<td>Alan Zulick</td>
<td>Does xanthophyll cycling protect the moss Pleurozium schreberi from the damaging effects of excess light?</td>
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**Chemical Biology**  
Olin 106  
**Moderator:** Joanne Kehibeck

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<tbody>
<tr>
<td>10:30</td>
<td>Zachary Smith</td>
<td>Fractionation and identification of biologically active compounds from Paulownia tomentosa using LC-MS/MS</td>
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<tr>
<td>10:50</td>
<td>Rachel Eastman</td>
<td>Investigating Anthelmintic Compounds in Paulownia Tomentosa</td>
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<tr>
<td>11:10</td>
<td>Jaclyn Krollick</td>
<td>Investigation of a Novel Molecular Transporter Containing the Guanidinium Moiety</td>
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**Classics II**  
Humanities 112  
**Moderator:** Stacie Raucci

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<th>Time</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Norah Friar</td>
<td>Bloodletting: From Hippocrates to Galen</td>
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<tr>
<td>10:50</td>
<td>Rachel Gray</td>
<td>Following Virgil’s Legacy: the Story of Ascanius</td>
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<td>11:10</td>
<td>John Mcdaniel</td>
<td>Pudor in Ovid’s Metamorphoses</td>
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<tr>
<td>11:30</td>
<td>M. Danielle Mendiola</td>
<td>Hetaera, Pallake, Aste and Priestess: Degrees of Women’s Freedom in Ancient Athens</td>
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**Economics II**  
Social Sciences 017  
**Moderator:** Younghwan Song

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<th>Time</th>
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<tbody>
<tr>
<td>10:30</td>
<td>Benjamin Meltzer</td>
<td>The Economic Crisis in Hungary: Its Roots and Origins</td>
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<td>10:50</td>
<td>Jonathan Lareau</td>
<td>Do lower salaried workers choose more expensive retirement funds?</td>
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<td>11:10</td>
<td>F. William Pinkston</td>
<td>What does AlcoholEdu do?</td>
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<tr>
<td>11:30</td>
<td>Anil Akoon</td>
<td>The Lost Fat Paycheck: The Trend of Obesity’s Wage Penalty Over Time in the U.S</td>
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**English I**  
Humanities 014  
**Moderator:** Claire Bracken

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<tbody>
<tr>
<td>10:30</td>
<td>Emily Burgess</td>
<td>Re-representing Identity in the Harlem Renaissance: Reading Poetry with Respect to the Visual Arts</td>
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<tr>
<td>10:50</td>
<td>Ian Clemente</td>
<td>A Bridge Between Mind and Muse: Applying Creative Writing to Philosophic Discussion</td>
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<tr>
<td>11:10</td>
<td>Thomas Fagin</td>
<td>A Dialogue With The Other: Portrayal of Immigrants In Roddy Doyle’s Deportees</td>
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<tr>
<td>11:30</td>
<td>Courtney Foster</td>
<td>Mutation and Proliferation of the Grotesque in the Works of Charles Dickens (Oliver Twist, The Old Curiosity Shop, and Great Expectations)</td>
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<tr>
<td>11:50</td>
<td>Bridget Jameson</td>
<td>Political Children’s Literature: Informing and Socializing America’s Youth</td>
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<tr>
<td>Time</td>
<td>Energy Studies</td>
<td>Mathematics II</td>
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<td>10:30</td>
<td>JEFF COOMBS</td>
<td>10:30 PETER BONVENTRE</td>
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<td>ROKWA FIDEL</td>
<td>10:50 TOMAS KOURIM</td>
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<td>11:10</td>
<td>NATALIE KONCKI</td>
<td>11:10 ERIN WHITNEY</td>
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<td>11:30</td>
<td>MARK KRISANDA</td>
<td>11:30 MATTHEW ZAWODNIAK</td>
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**Energy Studies**

- **Olin 307**
  - **Moderator:** George Shaw
  - **10:30** JEFF COOMBS: The Politics of the Alberta Oil Sands Operations
  - **10:50** ROKWA FIDEL: The Environmental Impacts of Alberta’s Tar Sands Operations
  - **11:10** NATALIE KONCKI: Alberta Oil Sands: Industry
  - **11:30** MARK KRISANDA: Local Population dynamics with the Athabasca Oil Sands Industry

**France and Beyond**

- **Humanities 008**
  - **Moderator:** Cheikh Ndiaye
  - **10:30** MARISSA GAINES: The Complexities of Illegal Immigration to France
  - **10:50** MOLLY MERZ: La vie et la lutte des femmes antillaises/ The Life and Fight of Women in the French Caribbean
  - **11:10** MATTHEW ROHRS: Sugar Cane’s Influence on Martiniquian History

**Geology I**

- **Olin 306**
  - **Moderator:** John Garver
  - **10:30** NICHOLAS MCTURK: The development of unusual rock weathering features in granodiorite boulders on late Quaternary moraines in the Cordillera Blanca of central Peru.
  - **10:50** BENJAMIN CARLSON: Timing of movement on the Burtonsville Landslide, Schenectady County NY
  - **11:10** JOSEPH WOLD: Laramide uplift of the Bighorn Mountains revealed through Detrital Zircon in the Powder River Basin, Wyoming
  - **11:30** LEONARD ANCUTA: U/Pb and Fission track dating of detrital zircon from the Paleogene Kootznhaa Formation, southeastern Alaska: implications for exhumation and transport of adjacent terranes

**Music**

- **Taylor Music Center - Emerson Hall**
  - **Moderator:** Tim Olsen
  - **10:30** MICHAEL DEL VECCHIO: How To Put Out An Album
  - **10:50** MAX JACK: Culture, segregation, and the achievement gap in Albany High School
  - **11:10** YU CHEN: A Taste of Chinese Folk Songs

**Mathematics II**

- **Bailey 201**
  - **Moderator:** Jue Wang
  - **10:30** PETER BONVENTRE: How Sweet It Is: An Analysis of the “Sweet Spot” of a Baseball Bat
  - **10:50** TOMAS KOURIM: Boundary Segmentation in Ultrasound Images
  - **11:10** ERIN WHITNEY: Discovery of Incommensurables
  - **11:30** MATTHEW ZAWODNIAK: What is a Topos?

**Mechanical Engineering II**

- **Science & Engineering Center N205**
  - **Moderator:** Ann Anderson
  - **10:30** COLLIN DOYLE: Aerogel Heat Shield Tiles for Space Shuttle Applications
  - **10:50** MICHAEL WAKITA: Redesigning the Spray Nozzle and Canister of Pepper Spray Bear Deterrent
  - **11:10** SARAH SCHINASI: Racing Shell Drag Reduction Using Films Fabricated from Superhydrophobic Aerogels
  - **11:30** RYAN SKEUSE: Design of 2010 Union College Mini Baja Suspension System

**Nanotechnology**

- **Olin 115**
  - **Moderator:** Michael Hagerman
  - **10:30** KENNETH SKORENKO: Ice Templated Laponite Nanostructures
  - **10:50** ADAM KOWALSKI: Mophosynthesis of Conductive Polymer Polyaniline for Solar Cell Applications
  - **11:10** SANGIN LEE: Electrospinning of PEO/Laponite Nanofibrous Networks
  - **11:30** BERNADETTE PEACE: Properties of Zinc Oxide and Laponite Nanomaterials

**Physics**

- **Science & Engineering Center N304**
  - **Moderator:** Rebecca Surman
  - **10:30** BENJAMIN MILES: Atomic Force Microscopy of a Polymer-Based Solar Cell
  - **10:50** DANIEL BARRINGER: Laser Cooling Krypton for Atom Trap Trace Analysis
  - **11:10** NEUTRON CAPTURE RATES AND THE r-PROCESS ABUNDANCE PATTERN IN SHOCKED NEUTRINO-DRIVEN WINDS
### Political Science I

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<th>Time</th>
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<tbody>
<tr>
<td>10:30</td>
<td>CLAIRE CHAZEN</td>
<td>Civic Engagement; The Union College Schenectady Story</td>
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<td>10:50</td>
<td>ARIA WALFRAND</td>
<td>Gender Bias in American Asylum Law</td>
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<td>11:10</td>
<td>ELYSE VAN PELT</td>
<td>Media's Rapid Change from Print to Online</td>
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<td>11:30</td>
<td>ERIN BLIGH</td>
<td>Growing Communities: A Roots and Wisdom Study</td>
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### Social Movements in Contemporary Latin America

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<tbody>
<tr>
<td>10:30</td>
<td>SERGIO AZCONA</td>
<td>Into the Mines: Cultural Consciousness and Survival in Bolivia</td>
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<td>10:50</td>
<td>CUTTER SHELBY &amp;</td>
<td>The Mothers of Plaza de Mayo</td>
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<td>CASSANDRA SKOUFALOS</td>
<td>City of Change: Buenos Aires in the 21st Century</td>
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<td>11:10</td>
<td>YIRAN ZHANG</td>
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### Sociology II

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<tbody>
<tr>
<td>10:30</td>
<td>LORI CASSORLA</td>
<td>The Influence of Advertisements on Childhood Obesity: a content analysis of television commercials during prime-time cartoons</td>
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<tr>
<td>10:50</td>
<td>LISA MCMANUS</td>
<td>Prostitution and Impersonal Sex: Does money make a difference?</td>
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<tr>
<td>11:10</td>
<td>ALEXANDRIA NUNEZ-BIBBY</td>
<td>Untangling the Relationship between Hair and Self-Esteem: the View of Young African American Women</td>
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<tr>
<td>11:30</td>
<td>EMILY FELD</td>
<td>College females pursuing demanding careers: An analysis of sociological factors affecting women’s career commitment</td>
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<tr>
<td>11:50</td>
<td>TAMARA LINDE</td>
<td>The Image of Beauty Through Time</td>
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### The Psychology of Attitudes

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<tbody>
<tr>
<td>10:30</td>
<td>JAMIE LUGURI</td>
<td>The impact of gender of political candidates: How framing affects perceived candidate competency, viability, and characteristics</td>
</tr>
<tr>
<td>10:50</td>
<td>MICHELLE RUSSO</td>
<td>Price-Quality Relationship and Self Concept: Does self-monitoring affect the way people perceive the quality of a product because of differences in price?</td>
</tr>
<tr>
<td>11:10</td>
<td>GABRIEL HARRIS</td>
<td>Taste Preferences Amongst High and Low Self-Monitors: Effects of Descriptive and Foreign Sounding Product Names</td>
</tr>
<tr>
<td>11:30</td>
<td>KATHARINE SMIDT</td>
<td>The Effect of Personal Relevance on Selective Interpretation</td>
</tr>
<tr>
<td>11:50</td>
<td>SAM RINGEL</td>
<td></td>
</tr>
</tbody>
</table>

### Visual Arts

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30</td>
<td>VASYL HEREHA</td>
<td>Environmental Issues and Animal Cruelty: An Artistic Reflection</td>
</tr>
<tr>
<td>10:50</td>
<td>MIA SIMONE</td>
<td>An Independent Study: Drawing in Pen and Ink Real-life Distortion: A Study in Charcoal Portrait Drawing</td>
</tr>
<tr>
<td>11:10</td>
<td>BIANCA GERMAIN</td>
<td></td>
</tr>
</tbody>
</table>
SESSION III

Poster 1
Beuth House - 12:20 - 1:50

Moderator: Mary Carroll

SEAN FITZGERALD
Color Polymorphism in *Plethodon cinereus*: A Study of melanocortin-1-receptor, MC-1-R

DANIELLE KREIG
Culinary Chemistry: The Science of Chocolate

CLANCY SLACK
NMR Monitored Kinetics for use in an Undergraduate Curriculum

JOHANNAH RYAN
Red Is The New Green: Color Expression of Cobalt, Copper, and Iron Pigments on Pottery Surfaces

MATTHEW WILK
Platinum Chemotherapy Drugs

REBECCA LEE
The Effects of High Temperature on Hydrophobic Silica Aerogels

LEIGH MANLEY
Superhydrophobic Silica Aerogels

ZACHARY RITTNER
Determining the suitability of habitat for the Karner Blue Butterfly by evaluating forage quality using chlorophyll fluorescence

RYAN SMITH
Factors influencing habitat choice in the lizard *Anolis sagrei*

EMILY FELDMAN
The Impact of the trial of Adolf Eichmann on the Argentinean Jewish Community and the Israeli Jewish Community

Poster 2
Beuth House - 12:20 - 1:50

Moderator: James Hedrick

CARLEY JACOBSON
Object Grouping in a Drawing Program

KRYSTLE GALLO
Dance Mechanics: A Study of the Biomechanical Forces Endured by a Dancer

LAUREN B. BROWN
Fabrication of Titania and Titania-Silica Aerogels Prepared Using Rapid Supercritical Extraction

CHRISTOPHER PILLSBURY
SAE Aero Competition

MICHAEL FITZPATRICK
Design of an Autonomous Fire-Fighting Robot

DREW MCCONNELL
Evaluating New Uses and New Sources of Natural Gas

JACOB LAROCCA
Construction of a Double-Resonant Audio-Modulated Solid-State Tesla Coil

ANDREW PERSSON
The Construction of a Double-Resonant Solid State Audio-Modulated miniBrute Tesla Coil

REBECCA SLOSBERG
The Impact of Using a Parabolic Reflector with an Evacuated Tube Solar Thermal Collector

DAVID BROWN
Predicting Tomorrow's Stock Trends: Evolutionary Signal Processing System
SESSION III

Returning Minerva Fellows

Olin Rotunda - 12:20 - 1:50

Moderator: Tom McEvoy

MIKE EISENMAN
NED LINCOLN
NATE SASLOW
ANDREW SCAPLEN
J. M. JONES
MONICA ROWETT
LYNDSAY WEHRUM
TOM PERRY

Tales and Photos from Cambodia, Uganda, Uruguay, South Africa, China

MINERVA COURSE: FOOD

Beuth and Golub Houses - 12:20 - 1:50

Moderator: Suzie Benack

JORDAN C. ADEY
GAIL Z. AIKEN
RACHEL B. COHEN
MADELEINE I. CULLERTON
CORY P. GIONET
NICOLE R. HENNINGS
DANIELLE F. HOROWITZ
TIFFANY C. IPPOLITI
NICOLE D. LITVACK
SARAH M. MARCHAND
JOSEPH A. PRICE
HASANUR RAHMAN
HILLARY C. ROHBACK
KONSTANTIN AVDASHCHENKO
MICHELLE RUSSO
AMANDA I. SAMUELS
JASON B. SHAFFER
JESSICA S. SINGER
HARITHA SISHTLA
TAMARA M. STONE
SCOTT L. SWARTZ
SHAWNAGAN TANGNAVARAD
CHANDNI V. VAID
MICHAEL H. WAKITA

Groups of students from the Minerva Course (Food) will present posters about African, Spanish, French, Japanese, Thai, and Greek cuisine and have available food from this cuisine that they have prepared.

Poster 3

Golub House - 12:20 - 1:50

Moderator: Joyce Madancy

ANTHONY SAVAGLIO
EMILY BLUTH

Commodore Perry and Early American-Japanese Relations

The Contrasting Views and Concept of an Afterlife in World Religions

Poster 4

Golub House - 12:20 - 1:50

Moderator: Chad Orzel

TYLER IZYKOWSKI
ELIZABETH MORGAN
JONATHAN GRIFFITH
TYLER IZYKOWSKI
COLIN GLEASON
CHARLES HARRINGTON
PETER BONVENTRE
SHIVANI PATHAK
MARIA BATTAGLIA
SREYNOCH CHIN
AMER KHRAISAT
JARGALSAIKHAN DULMAA

Sediment transport and deposition processes in dynamic hydroclimate environments: Schenectady County, NY

Reconstructing Deglaciation Processes at Tangle Lakes, Central Alaska Range, Alaska Using Ground Cover and Substrate Mapping

Tilting of Lake-Lining Trees at Stauffer Lake in Saskatchewan’s Churchill Watershed

Fault geometry of extension in the Kodiak accretionary complex, Narrow Cape, Alaska

Particle Induced X-Ray Emission Analysis of Atmospheric Aerosols Collected in Upstate New York

Elemental Concentrations as a Function of Particle Size for Aerosol Samples Collected in Upstate New York from PIXE

Preparation and Analysis of Porous Silica

Use of PIXE to Determine Mercury Concentration in Crematoria Emissions

Trace Elemental Composition, Concentration and Seasonal Variation in New York Rainwater and Snow Samples Using the Union College Pelletron Particle Accelerator and Proton Induced X-ray Emission Spectroscopy

ALFALFA HI Observations Of The NGC 5846 Galaxy Group

Melting Behavior of n-Decane and 1-Decanol inside Nanoporous Silica

Comparison of melting behaviors of physically restricted 1-Decanol and 2-Decanol inside Nanoporous Silica
<table>
<thead>
<tr>
<th>Session</th>
<th>Topic</th>
<th>Presenter(s)</th>
<th>Time</th>
<th>Summary/Abstract</th>
</tr>
</thead>
</table>
| **Anthropology II** | Social Sciences 014 | KATHRYN KRAKOWKA | 2:00 | Unraveling the Secrets of the Hook Up Culture: A Biological and Cultural Analysis of Casual Sex Among College Students
| | | MARIA TSVETKOVA | 2:20 | Bilingualism: Building Towards an Intercultural Identity
| | | BRIAN ROSENBLATT | 2:40 | Ensuring Lifelong Creativity: Artists in Academe
| | | LAURA SCHWARTZ | 3:00 | Moral Relativism: The Implications of a Philosophical Analysis for the Anthropologist
| **Biochemistry II** | Olin 115 | NIKHIL KOTHARI | 2:00 | Progress towards the construction of a “knockout-ready” strain of the mushroom fungus Schizophyllum commune
| | | VIRGINIA SACK | 2:20 | DNA-Based Testing of Genetic Disease in Domesticated Dogs
| **Biological Sciences III** | Bailey 207 | KEVIN STEFANI | 2:00 | Variations in MC1R and Color Polymorphisms in Plethodon cinereus
| | | MATTHEW SANTA BARBARA | 2:20 | Effects of Fecundity on Grasshopper Jumping Performance
| | | MARY SWIFT | 2:40 | Lactate Metabolism in the Jumping Muscle of the American locust
| **English II** | Humanities 014 | CRISTINA LIQUORI | 2:00 | Woolf, Le Quin and Winterson: Androgyny as a Literary Strategy in Twentieth Century Women’s Writing
| | | LAUREN RANDALL | 2:20 | The Rhetoric of Change: Exposing the Prose of America’s Activist Food Writers
| | | SAMANTHA ZAYAS | 2:40 | Poetry and Pedagogy
| | | LILLIAN MARTO | 3:00 | Literary Seduction & Abandonment in the Late Eighteenth through the Early Twentieth Century American Novel
| **Economics III** | Social Sciences 017 | KENRICK LIU | 2:00 | Hyperinflation in Zimbabwe: Case Study and Analysis of Money Velocity
| | | SEAN GORSKI | 2:20 | Quantifying Capital Overhang in the United States Housing Market and its Impact on Future Housing Investment
| | | DAVID LEAVITT | 2:40 | Why is the Beneficiary Protection in the New York State Pension Plan so Expensive?
| | | YU CHEN | 3:00 | Will Performing Arts Thrive in Shenzhen, China?
| **Developmental Psychology** | Humanities 019 | ASHLEY GILMAN | 2:00 | Amount of Time in Day Care, Temperament, and the Development of Theory of Mind
| | | ALEXANDRA JOHNSON | 2:20 | Birth Order and Temperament as Predictors of Preschool Children’s Prosocial Behavior
| | | STEVEN SCHAPP | 2:40 | Attitudes towards homosexual couples that wish to adopt children
| | | EMILY STANO | 3:00 | The Effect of Age, Self-Monitoring, and Media Exposure on Body Image in Adolescent Girls and College Women
| **Ecological Research** | Olin 106 | TYLER CROSS | 2:00 | An Assessment of the Effectiveness of Combining Removal Techniques in Eliminating Berberis thunbergii and Reducing Subsequent Germination by Other Invasive Species
| | | NATALIE KONCKI | 2:20 | Simulated forest biofuel harvest decreases soil carbon and nitrogen pools
| | | KATHLEEN O’CONNOR | 2:40 | An Evaluation of the Internal Parasites of Grey Squirrels in Urban and Rural Environments
| | | RIVKA FIDEL | 3:00 | Blue Lupine Growing Conditions Affect Leaf Nutritional Quality and Influence Growth of an Endangered Butterfly
### SESSION IV

#### Environmental Science

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00</td>
<td>SARAH CONNER</td>
<td>Olin 307</td>
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<tr>
<td>2:20</td>
<td>MARK KRISANDA</td>
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</tr>
<tr>
<td>2:40</td>
<td>SARAH TONRY</td>
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</tbody>
</table>

- **Moderator:** Don Rodbell

**Natural Cyclicity of Climate Change**

**A Late Holocene Record of Mohawk River Flooding Preserved in a Sediment Core from Collins Pond in Scotia, New York**

**A continuous Holocene record of paleoclimatic change from Laguna Yanacocha sediment cores, Cordillera Blanca, Peru**

#### History II

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00</td>
<td>BRIAN KARIMI-PASHAKI</td>
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<tr>
<td>2:20</td>
<td>DANA GOLDSMITH</td>
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<tr>
<td>2:40</td>
<td>JOSHUA WEISS</td>
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</tr>
<tr>
<td>3:00</td>
<td>RIVA PACKARD</td>
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</table>

- **Moderator:** Robert Wells

**McCarthy: A Devil of Whose Design?**

**Executive Orders and the Modern Presidency**

**A Lady and a Leader: The Effects of Class and Gender on Women’s French Revolutionary Experiences**

#### Mechanical Engineering III

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00</td>
<td>JIRI HAVRAN</td>
<td>N304</td>
</tr>
<tr>
<td>2:20</td>
<td>JAMES WALKER</td>
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<tr>
<td>2:40</td>
<td>WILLIAM BLACK</td>
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<tr>
<td>3:00</td>
<td>GEORGE KERSHAW</td>
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</table>

- **Moderator:** Frank Wicks

**Today’s Energy Situation in India and its Future Prospective**

**Analyzing and Communicating Benefits of Carbon Dioxide Reduction Technologies**

**Mechanical Self-Spotting Bench Press System**

**Rowing on Wheels: The Design and Production of an Ergometer Skateboard**

#### Spain’s History and Culture through Film

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00</td>
<td>ALEXANDER BROCKWEHL</td>
<td>008</td>
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<tr>
<td>2:20</td>
<td>ANDREW DRESNER</td>
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<tr>
<td>2:45</td>
<td>NATALIE GROME</td>
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</tr>
<tr>
<td>3:00</td>
<td>DOLEV MELAMED</td>
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</table>

- **Moderator:** Pilar Moyano

**Between Tradition and Modernity: The Conflict Over an Individual’s Right to Die in Contemporary Spain**

**Death Sentence: ETA and Spain**

**United Against Fascism: The International Brigades in the Films of the Spanish Civil War**

**Motherhood and Women in Modern Spain: An Analysis of Solas by Benito Zambrano**

#### Neuroscience I

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00</td>
<td>RUSSELL CREED</td>
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<tr>
<td>2:20</td>
<td>ANN KELLER</td>
<td></td>
</tr>
<tr>
<td>2:40</td>
<td>LYNDSEY DE MATTEO</td>
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</tr>
<tr>
<td>3:00</td>
<td>KIMBERLY TURECK</td>
<td></td>
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</tbody>
</table>

- **Moderator:** Cay Anderson-Hanley

**Perceived Stress as the Basis for Salivary Cortisol Levels**

**Differences in Stress Between Student Athletes and Non-athletes**

**Neuropsychological Effects of Exergaming on Cognition in Older Adults: Role of Physical and Mental Exercise Components**

**Exergaming and Autism: Effects on Self-stimulatory Behaviors and Cognition**

#### Political Science II

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>2:00</td>
<td>LINDSAY COLVIN</td>
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<tr>
<td>2:20</td>
<td>KATHARINE MURPHY</td>
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<tr>
<td>2:40</td>
<td>MEAGHAN O’NEILL</td>
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</tr>
<tr>
<td>3:00</td>
<td>ABIGAIL PLEETER</td>
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</tr>
</tbody>
</table>

- **Moderator:** Michele Angrist

**Counternarcotics Policy in Colombia: An American Trojan Horse**

**Nation Building in Afghanistan and Iraq**

**Reproductive Rights of Women in the Middle East: A Case Study on Iran**

**Ariel Sharon: Hawk or Dove? How Ariel Sharon Changed Prospects for Peace in the Middle East**

#### Psychology II

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
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<tbody>
<tr>
<td>2:00</td>
<td>LISA MCMANUS</td>
<td>312</td>
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<tr>
<td>2:20</td>
<td>ADAM WEINBERGER</td>
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<tr>
<td>2:40</td>
<td>DIANA GOODMAN</td>
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</tr>
<tr>
<td>3:00</td>
<td>JACLYN MANDART</td>
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</tbody>
</table>

- **Moderator:** Christopher Chabris

**Measuring the Intelligence of Human-Computer Teams**

**Inattentional Blindness in a Realistic Outdoor Setting**

**The Effect of Optimism and Imagined or Physical Practice on Learning**

**A Study of Musical Perception**

#### Mixed I

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Title</th>
<th>Location</th>
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<tbody>
<tr>
<td>2:00</td>
<td>ANDREW PHILBIN</td>
<td>215</td>
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<tr>
<td>2:20</td>
<td>AUNG SOE</td>
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<tr>
<td>2:40</td>
<td>ELLEN BLANCHARD</td>
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<tr>
<td>3:00</td>
<td>JESSICA SINGER</td>
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</tr>
</tbody>
</table>

- **Moderator:** Janet Grigsby

**Athletics Fostering Community Relations in Ancient Athens**

**The Trolley Tracking Project: Improving Trolley Service at Union**

**The History of the Debutante Ball in the US: A Story of Female Empowerment?**

**Food Culture around the World**
### American Studies
Social Sciences 014

<table>
<thead>
<tr>
<th>Time</th>
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<th>Title</th>
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<tbody>
<tr>
<td>3:50</td>
<td>JARED GOURRIER</td>
<td>The Black Experience</td>
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</tbody>
</table>

### Computer Science and Digital Media
Science & Engineering Center N205

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>3:30</td>
<td>JAMES TOY</td>
<td>James the GIANT killer: evaluating locking schemes in the FreeBSD kernel</td>
</tr>
<tr>
<td>3:50</td>
<td>PAUL TUNISON</td>
<td>A Tour Guide in SecondLife</td>
</tr>
<tr>
<td>4:10</td>
<td>CALDER PHILLIPS-GRAFFLIN</td>
<td>Copy Protection and the Future of Media Distribution</td>
</tr>
</tbody>
</table>

### Economics IV
Social Sciences 017

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>3:30</td>
<td>DARCIA DATSHKOVSKY</td>
<td>Cultural impacts on the success rates of microfinance</td>
</tr>
<tr>
<td>3:50</td>
<td>ALLISON FREDERICK</td>
<td>Predicting College Community Tuition and Enrollments and Simulating the Initial Effects of the Obama’s American Graduation Initiative</td>
</tr>
<tr>
<td>4:10</td>
<td>SARAH YERGEAU</td>
<td>Community Care Versus Institutionalized Care: Effects of State Funding on Mental Health Care</td>
</tr>
<tr>
<td>4:30</td>
<td>SHEENA GUPTA</td>
<td>Do Community Health Centers Improve Health Status?</td>
</tr>
<tr>
<td>4:50</td>
<td>ALEXANDRA PERCY</td>
<td>Do People Vote According to Their Ideology or According to Their Self-interest?</td>
</tr>
</tbody>
</table>

### Environmental Science and Policy
Olin 106

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>3:30</td>
<td>BENJAMIN ENGLE</td>
<td>The Concordiensis: Union College’s Watchdog</td>
</tr>
<tr>
<td>3:50</td>
<td>ERIC WHITE</td>
<td>Late Holocene, early Holocene climate change from central Andean carbonate lake sediments identified using stable isotopes and geochemical analysis</td>
</tr>
<tr>
<td>4:10</td>
<td>ERIN DELMAN</td>
<td>The Deportation Process Along the Mexican-American Border</td>
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</table>

### Geology II
Olin 307

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
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</thead>
<tbody>
<tr>
<td>3:30</td>
<td>REBECCA GRONCZNIK</td>
<td>Mineralogical and Chemical Analysis of Weathering Rinds of Basalt-Basaltic Andesite of Central Cascades, Oregon</td>
</tr>
<tr>
<td>3:50</td>
<td>MATTHEW KISSANE</td>
<td>The relationship between weathering and porosity in the silicic lava flows of the High Cascades, Oregon</td>
</tr>
</tbody>
</table>

### Mechanical Engineering IV
Science & Engineering Center N304

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:30</td>
<td>KRYSTLE GALLO</td>
<td>The Biomechanics of Cardiac S-looping in the Chick Embryo</td>
</tr>
<tr>
<td>3:50</td>
<td>LINDSEY WALASKI</td>
<td>Design of a Contractible Curtain to Prevent Rubbernecking</td>
</tr>
<tr>
<td>4:10</td>
<td>JASON SHAFFER</td>
<td>Deformation Characterization Using Electronic Speckle Pattern Interferometry</td>
</tr>
<tr>
<td>4:30</td>
<td>ANDREW BROWN</td>
<td>Design of a Curveball Pitching Machine using an Arm Mechanism</td>
</tr>
<tr>
<td>4:50</td>
<td>JAMES MAHER</td>
<td>Photogrammetry of Bullfrog Hearts</td>
</tr>
</tbody>
</table>
SESSION V

Mixed II

Visual Arts 215
Moderator: Peter Bedford

3:30 MOLLY MERZ
3:30 The Effects of Brain-Derived Neurotrophic Factor (BDNF) and Insulin-Like Growth Factor 1 (IGF-1) on Exercise-Enhanced Cognition in Older Adults

3:50 ARKEISHA PACE
3:50 African-American Stepmothers in American Visual Culture

4:10 BRENDAN TRUSCOTT
4:10 Islam and the State in Indonesia

4:30 BRIAN MATTHEWS
4:30 Documentary - Investigation of Green Technology Investment in the United States and in Foreign Countries

4:50 EMILY FELDMAN
4:50 The Impact of the trial of Adolf Eichmann on the Argentinean Jewish Community and the Israeli Jewish Community

Neuroscience II

Bailey 201
Moderator: Robert Olberg

3:30 NATALIE GROME
3:30 Neural basis of visually evoked head movements and electrically evoked wing movements in dragonflies

3:50 JACQUELINE TUTHILL
3:50 Spatial and temporal limits of visual neurons that control flight in the dragonfly

4:10 ELLIOT HARMON
4:10 Effects of Exercise on Neural Plasticity in Geriatric Patients

4:30 ELIZABETH OSBORNE
4:30 An Investigation of the Attainability and Neurological Mechanisms of Absolute Pitch

4:50 NATALIE ULLMAN
4:50 Brain Activation During Item-Specific and Relational Processing

Psychology III

Bailey 312
Moderator: Suzie Benack

3:30 VERONICA HOPKINS
3:30 Exergaming and Schizophrenia: Neuropsychological Effects of Exercise

3:50 KATIE WEINSTEIN
3:50 Competitive Personalities and Relationships

4:10 AMANDA JUDSON
4:10 The Mean Girl Phenomenon

Sociology III

Social Sciences 016
Moderator: David Cotter

3:30 HILARY SEGAR
3:30 The Social Stigma and Stereotyping of Mexico in the United States

3:50 LINDSEY GOLDBERG
3:50 Make New Friends But Keep The Old: Communicative Technology Use in Long-Distance Friendships

Understanding Contemporary France

Humanities 008
Moderator: Stephanie Silvestre

3:30 HANNAH COMEAU
3:30 Boire Trop: A Comparative Study of France and the US and Changing Alcohol Use Trends Among Youth

3:50 MONICA NIEDERMEYER
3:50 Les origines et la culture de la Bretagne/The Origins and Culture of Brittany

4:10 NATALIE ULLMAN
4:10 Le Système de Santé en France / The French Health Care System

Political Science III

Social Sciences 012
Moderator: Clifford Brown

3:30 SARAH DOUCETT
3:30 Capitalizing on Media Involvement in Presidential Elections

3:50 JEFFREY Baily
3:50 The Relationship between Drugs and Democracy in Colombia

4:10 RACHAEL CARSON
4:10 Washington versus Beijing: The Best Development Partner for Africa

4:30 KELSEY MACELROY
4:30 The Rise and Fall of Patriotism After 9/11

4:50 ARIEL PALTER
4:50 The Right to Health Care and the Role of Free Clinics: Action Research at the Schenectady Free Health Clinic and the Importance of Student Involvement in the Community

Exhibit: The Jewish Experience: Newark, New Jersey 1844-1940

Social Sciences Lounge
Moderator: Teresa Meade

3:00 - 5:00 JENNIFER WINKELRIED
3:00 The Jewish Experience: Newark, New Jersey 1844-1940
DANCE PERFORMANCES
Faculty Sponsor & Show Director - Miryam Moutillet

4:00 P.M.  |  NOTT MEMORIAL

DANCE EXPERIENCE COURSE
Directed by Miryam Moutillet
Created and performed by Ariel Blum, Lisa Crescenzo, Emily Lnenicka, Andrea Morehouse, Alyssa Simeone and Amanda Wiener

DANCE PROJECTS

LEIJIA’S GAME
Choreographed and performed by Kira Moldow
Played live by Tristan Allen (pianist)

ECHA PA’LANTE
Choreographed by Valerie Angell
Valerie Angell, Peter Bonventre, Karel Durkota, Jenna Langhans, Dave Sayles and Samantha Zayas

ESTORIA DA BOCA
Choreographed by Samantha Zayas
Lisa Crescenzo, Ayanna A. Vinson-Dobson and Samantha Zayas

SANTA MARIA: DEL BUEN AYRE
Choreographed by Sara Block
Joey Abate and Sara Block

BALLETT & MODERN DANCE
Choreographed by Miryam Moutillet

TANGO SUITE: ANDANTE
Marcus Rogers and Alyssa Simeone

ASTURIAS LEYENDA
Alyssa Simeone
Played live by Harry Pellegrin (Faculty Guitarist)

TANGO APASIONADO
Erin Bligh, Ariel Blum, Lisa Crescenzo, Anna Finlay, Lauren Graniero, Jenna Langhans, Kira Moldow, Jessica Nagourney, Stacy Pauli, Alyssa Simeone, Katie Sofia and Ayanna A. Vinson-Dobson

JAZZ & RHYTHMS DANCE
Choreographed by Marcus Rogers

OBJECTION

BUSTER VOODOO

AFRO-DANCE

MAGALENDA
Choreographed by Marcus Rogers
Valerie Angell, Erin Bligh, Lisa Crescenzo, Krystle Gallo, Lauren Graniero, Kira Moldow, Stacy Pauli, Ayanna Vinson-Dobson and Samantha Zayas

DANCE TEAM
Captains Lisa Crescenzo and Sara Mark
Amy Cerini, Yubi Choi, Lisa Crescenzo, Krystle Gallo, Jenna Langhans, Allie Levy, Sara Mark, Kira Moldow, Andrea Morehouse, Jessica Nagourney, Robyn Panella, Meredith Prescott, Katie Smidt, Katie Sofia and Amanda Wiener

BALLROOM DANCE CLUB

MANOS AL AIRE
Choreographed by Amber Woerner
Joey Abate, Valerie Angell, Erin Bligh, Peter Bonventre, Emily Burgess, James Cernik, Karel Durkota, Megan Hyndman, Jamie Lugari, Ben Miles, Dave Sayles, Casey Sheridan, Andrew Vinales, Maggie Wilson, Samantha Zayas and Adam Zimman

KUCHIPUDI DANCE
Danced by Shilpa Darivemula

THE BHANGRA UNION
Performed by Mourin Kamal, Hyma Kavuri, Najiba Keshwani, Mital Patel, Nayan Patel, Jessica Sarrantonio, Shalini Singaravelu, Haritha Sishtla, Kenia Valdez and Ari Walfrand

LIVE MUSIC PROVIDED BY

Andy Iorio – Musical Director
Tristan Allen - Keyboard
Ron Herout - Drums
Sulay Lora - Voice

Harry Pellegrin (faculty) - Guitar
Colin Turley – Violin
“Por Amarte Asi” – Christian Castro
“Knife Kight” – Astor Piazzolla
FRIDAY, MAY 7

STEINMETZ CONCERT: UNION COLLEGE ORCHESTRA AND CHORALE
Victor Klimash, Conductor
Music by Koussevitzky, Beethoven, and Albinoni

8:00 P.M. | MEMORIAL CHAPEL

Rachel Gray  (Oboe)
Iris Zhang   (Violin I)
Saem Hur     (Violin II)
Colin Turley (Violin II)
Amanda Laven (Violin II)
Lily Marto   (Viola)

Elana Korn   (Contrabass)
Daren DelDotto (Viola)
Samuel Kim   (Cello)
Lauren Polizzi (Cello)
Sara Bercovici (Oboe)
Ajay Major   (Clarinet)

SATURDAY, MAY 8

THE UNION COLLEGE JAZZ ENSEMBLE
Tim Olsen, Director

1:00 P.M. | EMERSON AUDITORIUM IN THE TAYLOR MUSIC CENTER

CLARINET  Emma Freter ’13
          Alex Post ’11
ALTO SAX  Kim Blecich ’13
          Jared Muller ’13
          Matt Zawodniak ’10
TENOR SAX Greg Bloom ’11
          Peter Bonventre ’11
BARI SAX  Devin Harrison ’09
TRUMPET  Rachel Finkelstein ’12
          Victoria Frisbee ’13
TROMBONE Art Duncan
          Jacob LaRocca ’12

VIOLIN  Amanda Laven ’13
PIANO   Sam Solomon-O’Connell ’13
          Ben Wolkon ’13
GUITAR  David Carabis ’13
          Sean Fitzgerald ’11
          David Kislik ’10
          Saul Kurtz ’11
VIBES   Amanda Laven ’13
BASS    Shelby Cuomo ’13
DRUMS   Ron Herout ’13
VOCALS  Yubin Choi ’11
          Amanda Laven ’13