2009

Schedule of Presentations

Colby College

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Colby Undergraduate Research Symposium Research Presentation Schedule on April 29-May 1, 2009.
Colby Undergraduate Research Symposium 2009
April 29 - May 1, Colby College, Waterville, Maine

Research Presentations

Wednesday, April 29

SESSION I: WGSS
WGSS Senior Seminar
9:00 - 11:00 AM

9:00 am  Elizabeth Doran ('09), Women, Gender, Sexuality
         'The Husband, the Wife, and the Lord in the Middle': Evangelical Women, Mutualiy, and Submission

9:15 am  Ashlee Holm ('09), Women, Gender, Sexuality
         Fantasies: Staging Feminist Performance Art

9:30 am  Danielle Crochiere ('09), Women, Gender, Sexuality
         How Porn has been Normalized into Society: A Closer Look at its Effect on College Campuses

9:45 am  Naomi Smith ('09), Women, Gender, Sexuality
         Sexuality, Gender and the Law in the United States

10:00 am Katherine Dammann ('09), Women, Gender, Sexuality
         'Just imagine it being your sister or mom, and then think about how we should talk about that': The Representation and Consumption of Chris Brown, Rihanna, and Domestic Violence

10:15 am Pamela Colon ('09), Women, Gender, Sexuality
         'Grass Without Roots': Social Programs and Women's Empowerment in India

10:30 am Cary Finnegan ('09), Women, Gender, Sexuality
         Pushing Boundaries: Expressions of Love and Sexuality in the Life and Work of Edna St. Vincent Millay

SESSION II: ENVIRONMENTAL STUDIES
Conservation Biology Presentations

Olin 234
11:00 AM

Rachel E. Baron ('11), Bryan J. Brown ('09) and Brooke E. Wanlass ('11), Conservation Biology Presentations
What is Ecoagriculture?
SESSION III: ENVIRONMENTAL STUDIES

Environmental Studies Honors Presentations

Session Chair: Russ Cole

1:00 - 4:00 PM

1:00 pm  Patrick Roche ('09), Environmental Studies
Learning the Lay of Their Land: Data Collection by Maine Land Trusts

1:30 pm  Megan Saunders ('09), Environmental Studies
Factors Influencing Conservation Success or Failure in Tiger Range States

2:15 pm  Caitlin Dufraine ('09), Environmental Studies
An Identification and Assessment of Human-Carnivore Conflict Hotspots and Large Carnivore Policy Implications in the United States

2:45 pm  Lindsay Dreiss ('09), Environmental Studies
Protecting Maine's Mammals: A Model of Human Footprint and Biodiversity in the North Woods

SESSION IV: General Session

General Session

Session Chair: Suzi Cole

1:00 - 4:50 PM

1:00 pm  Hilana Bernheimer ('10) and Anna Kelemen ('10), Psychology
School Readiness: The Underlying Factors of Socio-Economic Status and the Ways in Which Those Factors Affect Waterville Children's Kindergarten Preparedness

1:15 pm  Carla Jacobs ('09), Psychology
Assesing Body Image Concerns in Preschoolers from a Social Cognitive Perspective

1:30 pm  Nina Gold ('09), Psychology
Simon Is Sick: A Therapeutic Book for Pediatric Patients

1:45 pm  Daniel Heinrich ('09) and Dylan Perry ('09), Biology
Reaction Latency Period in Response to Tactile Stimuli

2:00 pm  Eric Braunstein ('10), Chemistry
Analysis of the Electron Withdrawing Capability of Acetylene Groups for Nucleophilic Aromatic Substitution.

2:30 pm  Samantha Richens ('11), Art
The American Portrait and the Invention of the Daguerreotype

2:45 pm  Shelley Payne ('09), History
Currents of Aggression: The American Agrarian Dream and Mexican Land Grants in Alta California

3:00 pm  James Goldring ('09), Government
Identity Politics in Post-Genocide Rwanda: Obstacles to Reconciliation and
Stability

3:30 pm  Michele Chu ('09), Psychology
          David vs. Goliath: Whose Side Are you on Anyway?

3:45 pm  Carrie Potter ('09), Psychology
          The Effects of Eating Behaviors and Exercise Patterns on the Processing of Food
          and Exercise Related Stimuli

4:00 pm  Ling Zhu ('09), Economics
          Central Bank Independence: The Missing Link in Cyclicality of Monetary Policies

SESSION V: ART                                      Smith
Realms of Faith (AR397)                             Session Chair: Veronique Plesch/David Simon
4:00 - 5:00 PM

4:00 pm  Whitney Lynn ('09), Art
          Byzantine Paten and Chalice

4:15 pm  Margaret Gribbell ('09), Art
          A Limoges Reliquary

4:30 pm  Megan Conroy ('10), Art
          Ivory Diptych with Nativity, Adoration of the Magi, Crucifixion, and Last Judgment

4:45 pm  Thomas Winter ('09), Art
          Façade Relief with Two Birds

Thursday, April 30

SESSION VI:                                         Whitney
General Session                                    Session Chair: Suzi Cole/Marilyn Pukkila
1:00 - 4:30 PM

1:00 pm  Ellen London ('09), English
          Romantic Representations: The Intercultural Translation of Body and Commodity in
          Orientalist Discourse

1:25 pm  Colin Cummings ('09), English
          Reading Joycean Comedy and Faulknerian Tragedy: Exploring the Significance of
          Location, Literary Influence and the Possibilities of Heroism with Leopold Bloom in
          Joyce’s Ulysses and Quentin Compson in Faulkner’s The Sound and the Fury and
          Absalom, Absalom!

1:50 pm  Lauren Duval ('09), History
'La Belle Américaine': Sarah Jay's Experience Abroad during the American Revolution

2:30 pm
Eitan Green ('09), Anthropology
Re-imagined Communities: Global Climbing on Local Mountains

3:15 pm
Matthew Von Vogt ('11), German/Russian
The Concept of the Modern Family in Fassbinder's Group Films of 1960s Germany

3:35 pm
Sei Harris ('10), German/Russian
The Sound of Yourself Listening: Faust and the Politics of the Unpolitical

3:55 pm
Yilin Xu ('09), Economics
Hydropower Development and Resettlement Policy on China’s Nu River

SESSION VII: Natural Sciences and Environmental Studies
Session Chair: Robert Bluhm
1:00 - 3:45 PM

1:00 pm
Nathan Hill ('09), Physics and Astronomy
The Higgs Mechanism and the Search for the Higgs Boson

1:15 pm
David Connick ('09), Physics and Astronomy
Noether's and Goldstones theorem in particle physics

1:30 pm
James Jones ('09), Physics and Astronomy
Beyond the Standard Model: Supersymmetry and Large Extra Dimensions

1:45 pm
Seth Johnson ('10) and Frances Still ('10), Biology
Regulation of D-Pax-2 by Proneural Genes

2:00 pm
Rachel Guest ('09), Geology
Can Predatory-Prey Arms Races Intensify during a Mass Extinction Event? Strombid Gastropods from Late Neogene of Florida

2:30 pm
Lauren Harris ('10) and Michael MacNicoll ('09), Mathematics
Three-dimensional Modeling of Vertigo Sensation in Patients Suffering from Benign Paroxysmal Positional Nystagmus.

2:45 pm
Colin O'Shea ('10), Biology
The Neurological Phenotyping of Methylmalonic Acidemia

3:00 pm  **Blair Braverman ('11), Environmental Studies**

The Iditarod Trail as a Model for Conservation

3:15 pm  **William Tyson ('09), Environmental Studies**

The Human Landscape of Potential Wolf Habitat in the Northeastern United States: A Spatial Analysis of the Political and Social Suitability of Wolf Re-Colonization

**SESSION VIII: ENVIRONMENTAL STUDIES**

Transboundary Environmental Policy and Dispute Resolution Presentations  
**Diamond 223**

Session Chair: Cat Ashcraft

2:30 - 3:45 PM

- **Laura Gray ('09) and Alexi Greenberg ('09), Environmental Policy and Dispute Presentations**
  - Conflict and Cooperation Over Water Rights: Cases from the Middle East and Indian Water Rights in the Western United States

**SESSION IX: EAST ASIAN STUDIES**

East Asian Studies  
**Hurd**

Session Chair: Tamae Prindle

3:00 - 4:00 PM

3:00 pm **Jesica Chang ('11), Lauren McGrath ('12) and Sundine Chizzonite ('09), East-Asian Studies**

20th Century Japanese Fiction

**SESSION X: INTERNATIONAL STUDIES**

International Studies Honors Presentations  
**Hurd**

Session Chair: Jennifer Yoder

4:00 - 5:00 PM

4:00 pm **Daniela Andreevska ('09), International Studies**

Keys and Orchards: Memory and the Palestinian Diaspora, 1948-Present

4:30 pm **Christine Shu ('09), International Studies**

Antibiotics, Herbs, and Magic: Health Practices in Contemporary St. Petersburg

**SESSION XI: HISTORY**

Senior Seminar on the Civil War  
**Smith**

Session Chair: Elizabeth Leonard

4:00 - 5:00 PM
4:00 pm  Jennifer MacDowell ('09), History  
Wartime Attitudes and Morale of Union and Confederate Women  

4:30 pm  Noel De Freitas ('10), History  
A Study of African American Troops and Their Motives For Fighting in the American Civil War  

SESSION XII: ART  
Food in Art, Food as Art  
Bixler 154  
4:00 - 5:30 PM  
Session Chair: Veronique Plesch  

4:00 pm  Virginia Robbins ('10), Art  
Sins of the Flesh: Gluttony and Lust in Medieval Culture  

4:20 pm  Brittany Canniff ('09), Art  
Dutch Food and Identity in 17th Century Still Lives  

4:40 pm  Laure-Helene Caseau ('10), Art  
European Chocolate: the Early Years  

5:00 pm  Fiona Braslau ('10), Art  
Meat in European Art  

SESSION XIII: THEATER AND DANCE  
New Play Festival  
Strider Theater  
7:30 PM  
Session Chair: Lynne Conner  

Lucy Dotson ('12), Theater and Dance  
GHOSTS  

Sean Senior ('10), Theater and Dance  
THAT ONE DAMN BUST  

Kathleen Brzozowski ('09), Theater and Dance  
SEXUAL DEBUT  

Frederick Freudenberger ('09), Theater and Dance  
ONLY A THEORY  

Kate Vasconi ('09), Theater and Dance  
THE ELGIN WAR
Kris Miranda ('09), Theater and Dance
SWORD AND SHIELD
Andrew Bolduc ('10), Theater and Dance
A QUICK LESSON IN CAUSE AND EFFECT
Michael Trottier ('12), Theater and Dance
CLARITY

Friday, May 1

SESSION XIV: GERMAN AND RUSSIAN
Hurd
German Studies Senior Seminar
Session Chair: Arne Koch
11:00 - 12:45 PM

11:00 am Sommer Engels ('09), German/Russian
Bernhard Schlink's 'Der Vorleser' und deutsche Vergangenheitsbewältigung

11:15 am Samuel Morales ('09), German/Russian
Die Individualisierung der gesellschaftlichen sittlichen Sorgen in 'Frühlings Erwachen' und 'Der Vorleser' (The individualization of societal moral problems in 'Spring Awakening' and 'The Reader')

11:30 am Nicole Veilleux ('09), German/Russian
Die Darstellung des Anderen und des Bekannten: Rassenvorurteil, Menschenrecht und Philosophie in Heinrich von Kleists 'Die Verlobung in St. Domingo'

11:50 am Katherine Dutcher ('09), German/Russian
Moralphilosophie in Frank Wedekinds 'Frühling Erwachen': Freiheit plus Ordnung gleich Sittlichkeit

12:10 pm Justin Mohler ('09), German/Russian
Die Darstellung moderner Identität in Doris Dörries „Bin ich schön?“

SESSION XV: CHEMISTRY
Arey 5
Chemistry Senior Research Presentations
Session Chair: Jeff Katz and Das Thamattoor
11:00 AM

Andrew Young ('09), Tom Sisto ('09) and Whitney Miller ('09)

SESSION XVI: ENVIRONMENTAL STUDIES
Olin 234
Conservation Biology Presentations
Session Chair: Russ Cole
11:00 AM

Lauren E. Corke ('10), Amanda R. Lindsay ('10) and Sean T. Prockter ('09),
Conservation Biology Presentations
Management and Protection of Mangroves

SESSION XVII: ECONOMICS

Economics Honors Research Presentations
Session Chair: Guillermo Vuletin
1:00 - 4:00 PM

1:00 pm  Ling Zhu ('09), Economics
A Nouval Measure of Central Bank Independence

1:25 pm  Ian Cummins ('09), Economics
Cyclicality of State Budgeting: A Political-Economy Analysis

1:50 pm  John Roberts ('09), Economics
Forecasting Commodity Prices with Parallel Exchange Rates

2:15 pm  Gregory Zartarian ('09), Economics
Occupational and Geographic Mobility of Armenian Immigrants

2:40 pm  Po Wong ('09), Economics
The Effect of Natural Disasters: The Indonesian Forest Fires in 1997

3:05 pm  Yilin Xu ('09), Economics
Public Goods Provision and Local Governance in China: Evidence from Rural Gansu Province

3:30 pm  Prabhav Rakhra ('09), Economics
Business-Time

SESSION XVIII: AMERICAN STUDIES

American Studies Senior Theses
Session Chair: Margaret McFadden
1:00 - 3:00 PM

1:00 pm  Melissa Martin ('09), American Studies
America the Beautiful, the Bountiful, the Healthful and the Hungry: Understanding Contemporary American Food Culture

1:25 pm  Hope Rosenfeld ('09), American Studies
Friend or Foe? Examining the Impact of Facebook and Social Networking on Modern American Society

1:50 pm  Tiffany Martin ('09), American Studies
The Selfish versus The Lazy: Intra-racial Relationships in Aaron McGruder's 'The Boondocks'

2:15 pm  Henry Powell ('09), American Studies
Consuming Generations: Race and Society in George Romero's Zombie Films

2:40 pm  Jamie Quine ('09), American Studies
Disney's Daughters: The Representation of Gender in Popular Animated Disney Films

SESSION XIX: HISTORY/LATIN AMERICAN STUDIES
Counterinsurgency and Violence in Colombia and Guatemala
Session Chair: Ben Fallaw
1:00 - 2:30 PM

1:00 pm Catherine Coffman ('09), History
Dust Between Two Fires: Civilian Militias in Ayacucho, Peru and Middle Magdalena Valley, Colombia in the Late Twentieth Century

1:40 pm Sarah DeLiefde ('09), Latin American Studies
From Colonization to Civil War: Gendering the Guatemalan Counterinsurgency

SESSION XX: BIOLOGY
Biology Honors Research Presentations
Session Chair: Russell Johnson
Olin 1
1:00 - 3:30 PM

1:00 pm Zachary Zalinger ('09), Biology
Characterization of the Incompatibility Group A/C Conjugative Plasmid Aeromonas salmonicida subsp. salmonicida

1:15 pm Katharine Harmon ('09), Biology
Engrailed and Other Pax-2 targets

1:30 pm Ruth Langton ('09), Biology
The Effect of Glutamate on Neurosecretory Cells in the Crustacean Nervous System

1:45 pm Kimberly Cohen ('09), Biology
Diet Manipulation in Painted Lady Butterfly Larvae, Vanessa cardui: Effects on Larvae, Adult Morphology, and Flight Performance

2:00 pm Andrew McEvoy ('09), Biology
Evaluation of Nocturnal Flight Calls as Useful Tool in the Study of Avian Migration

2:30 pm Philip Crystal ('09), Biology
Estimation of population reduction and gene flow in the rare orchid Isotria medeoloides

2:45 pm Jennifer Myers ('09), Biology
The Effects of N-acetylserotonin and Prazosin on Fiddler Crab (Uca pugilator) X-Organ Cell Neurite Growth

3:00 pm Escar Kusema ('09), Biology
Cellular Mechanisms of Melatonin-induced Neurite Growth in Crustacean X-organ Cells

SESSION XXI: EDUCATION
Student Inquiry and Practice in Education and Human
Session Chair: Mark Tappan
Diamond 122
Development
2:00 - 4:00 PM

2:00 pm Pamela Colon ('09), Independent Studies
'It's not all they are': The Lives of Girls in the South End

2:15 pm Amanda Mello ('09) and Margaret Lancaster ('09), Education and Human Development
Student Teaching Portfolio Presentation

3:15 pm Ruth Langton ('09), Danielle Carlson ('10), Ozzy Ramirez ('10), Aleah Starr ('11) and Alyssa Kavanagh ('10), Education and Human Development
Coloring Class Lines

SESSION XXII: RUSSIAN
Russian Senior Symposium: Boris Pasternak's Doktor Zhivago
2:00 PM

SESSION XXIII: General Session
3:00 - 5:15 PM

3:00 pm Qainat Khan ('11), Women, Gender, Sexuality
Representing Harvey Milk in the Media 1973-1988

3:15 pm Amy Dunlap ('11), Women, Gender, Sexuality

3:30 pm Emma Anastos-Wallen ('11), Women, Gender, Sexuality
Improving Lipstick Quotients: The Media’s Construction of Gender and Romance in The Colby Echo During the 1950s

4:00 pm Amy Lu ('09), East-Asian Studies
China's Environmental Challenges

4:30 pm Frederick Freudenberger ('09), Geology
Morphological Fluctuations of the Sahara Desert: An Overview of Quaternary Climate Change and Geomorphology with Special Attention to Water.

4:45 pm Daniel Franklin ('10), History
Ibn Khaldun (1332-1406): The Medieval Dar al-Islam’s Greatest “Renaissance Man”, His Historical and Sociological Contributions, and His Encounter with the Mongol
SESSION XXIV: HISTORY
Senior Seminar on the Civil War
Session Chair: Elizabeth Leonard
3:00 - 4:00 PM

3:00 pm Matthew Quinlan ('10), History
Hollywood's Depiction of Irish Soldiers in the American Civil War

3:30 pm Emily Schofield ('09), History
10th and 29th Maine Regiments

SESSION XXV: CHEMISTRY
Chemistry Senior Research Presentations
Session Chair: Jeff Katz and Das Thamattoor
3:00 PM

Zac Helm ('09)
A Novel Method for Measuring Antioxidant Activity

Nichole Schmidt ('09)
The Synthesis of a Biomimetic Mo Complex with a New Bidentate Sulfur Ligand

Becky Thorburn ('09)
The Synthesis of Chiral Macrocycles Containing BINOL

SESSION XXVI: RELIGIOUS STUDIES
Religious Studies Senior Presentations
Session Chair: Carleen Mandolfo
4:00 - 6:00 PM

Elizabeth Byrne ('09)
Think of the Children: Narratives of Violence in Children's Bibles

Esther Boyd ('09)
The Popcorn Apocalypse: Judeo-Christian Apocalypticism in Contemporary American Film

Sejal Patel ('09)
'She Who Lived': Using Film as Means of Examining the Disconnect Between the Subjugation of Women in India and the Reverence for Hindu Goddesses

Joseph Slater ('09)
There is Neither Greek nor Latin in Christ Jesus

SESSION XXVII: SOCIOLOGY
Sociology Honors Research Presentations
Session Chair: Terry Arendell
4:00 - 6:00 PM
4:00 pm Abigail Sussman ('09), Sociology  
Midwifery in the USA: An Exploration of the Decline and Rise in Midwife Use.

4:40 pm Elizabeth Doran ('09), Sociology  
'Contentment in My Heart': Evangelical Women and Spiritual Journeys

SESSION XXVIII: THEATER AND DANCE  
Strider Theater  
New Play Festival  
Session Chair: Lynne Conner  
7:30 PM (see Thurs.)