25TH ANNUAL

Academic

SPREE

day

APRIL 22, 2015
12-4:30 P.M.
# Location Cheat Sheet

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If the presentation you are looking for isn’t listed with the program you think it should be, check under “Interdisciplinary Projects.”
Academic Spree Day 2015
Presentations and Poster Sessions (12:00-4:30 pm)

ORAL PRESENTATIONS AND PANELS

Grace Conference Room (University Center-1st Floor)
- Physics (12:30-12:50pm)
- Computer Science (1:00-2:15pm)
- History Honors Program (2:30-4:00pm)

Lurie Conference Room (University Center-1st Floor)
- Sociology (12:30-2:00pm)
- Steinbrecher Fellowship Program (2:00-3:30pm)

Rosenblatt Conference Room (University Center-1st Floor)
- Political Science Honors Theses (12:30-1:30pm)
- Political Science (1:30-1:45pm)
- Computer Science (2:30-3:30pm)

Persky Conference Room (University Center-2nd Floor [behind mailroom])
- Art History (1:30-1:50)
- International Development and Social Change (2:00-2:40)

Fuller Conference Room (Goddard Library-4th Floor)
- Green Business Management (MGMT252) (12:30-3:30pm)

Prouty Conference Room (Goddard Library-4th Floor)
- Urban Development and Social Change (1:00-1:25pm & 2:00-2:15pm)
- Economics (2:30-3:30pm)

POSTER SESSIONS

Tilton Hall (University Center-2nd floor)
- Biochemistry and Molecular Biology
- Bioinformatics
- Biology
- Chemistry
- Environmental Science
- Geography
- Geography/Global Environmental Studies
- Innovation & Entrepreneurship
- International Development and Social Change
- Management
- Philosophy
- Psychology
- Sociology

Academic Commons (Goddard Library-1st Floor)
- Communication and Culture
- Computer Science
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ORAL PRESENTATIONS AND PANELS

Grace Conference Room (University Center-1st Floor)

Physics (12:30-12:50pm)

12:30-12:50 *Erosion of a Grain in a Viscous Flow.* David Scheff ’15 (Sponsor: Professor Arshad Kudrolli)

Computer Science (1:00-2:15pm)

1:00-1:15 *Assessing Symptoms in DBS Parkinson’s Patients.* Courtney Pharr ’17 (Sponsors: Helena Mentis, UMBC and Professor John Magee, Clark University; Distributed Research Experience for Undergraduates)

1:20-1:35 *Automated Testing and Evaluation of Student Work on Algorithmic Problems.* Hoang Nguyen ’16 & John Ullman ’16 (Sponsor: Professor Li Han) –LEEP Project

1:40-1:55 *WooConnect.* Cyrus Fenderson ’16 & Hoang Nguyen ’16 (Sponsor: Professor John Magee)

2:00-2:15 *Academic Aide: Free Online Math Question Database For Academic Improvement.* Jian Bin Guo ’15 and Lukas Leung ’16 (Sponsor: Professor John Magee)

History Honors Program (2:30-4:00pm)

2:30-2:40 *The Jewish Sonderkommando.* Elizabeth Bellos ’15 (Sponsor: Professor Thomas Kuehne)


2:50-3:00 *The Military Evolution: Warfare and its Impact on Society in Early Modern Europe.* Gregory Gaines ’15 (Sponsor: Professor Wim Klooster)

3:00-3:10 *The Gendered Response of Jewish Prisoners in Auschwitz.* Anne Marie Goguen ’15 (Sponsor: Professor Sarah Cushman)


continued
3:20-3:30  The Meaning of Volk in Gustav Landauer’s Anarchism: A Case Study in the Völkisch Discourse of Imperial Germany. Nicholas Huzsvai ’15 (Sponsor: Professor Thomas Kuehne)

3:30-3:40  An Examination of the Postwar Lives and Familial Relationships of Former Nazi Families. Faith Jean ’15 (Sponsor: Professor Thomas Kuehne)

3:40-3:50  Muhammad Ahmad, RAM, and the Black Freedom Struggle. Stephon Richardson ’15 (Sponsor: Professor Ousmane Power-Greene)

3:50-4:00  Symbolism of the Neo-Nazi Movement: Meaning, Identity, and Appropriation. Nathan Wuorio ’15 (Sponsor: Professor Thomas Kuehne)

Lurie Conference Room (University Center-1st Floor)

Sociology (12:30-2:00pm)


12:30-2:00  “Just as Soldiers on the Front Had Their Duty, So Did We”: Intersections of Gendered Socialization and Genocide in Nazi Euthanasia. Marisa Natale ’17 (Sponsor: Professor Dyan Mazurana)

12:30-2:00  Racialization of Asian and South Asian International Students at Clark University. Keitaro Okura ’15 (Sponsor: Professor Debra Osnowitz)

12:30-2:00  The Ambiguity Paradox: Problems, Solutions, and Costs of Queer Identity. Benjamin Walter ’15 (Sponsor: Professor Patricia Ewick)

Steinbrecher Fellowship Program (2:00-3:30pm)

Program Director: Professor Sharon Krefetz

2:00-2:15  Theravada Buddhism’s Political Significance under the Military Junta (1992-2011) and President Thein Sein’s Democratizing Government (2011- ) in Myanmar. Kimiko ’15 (Sponsor: Valerie Sperling)

2:15-2:30  Framing Dialogue in Political Discourse. Melat Seyoum ’15 (Sponsor: Professor James Murphy)

2:30-2:45  A Third Culture Kid Finding Home. Demet Senturk ’17 (Sponsor: Professor Stephen DiRado)

continued
‘We Survived’ - The Lives of Victims of Sexual Violence in Bangladesh. Suaida Firoze ’16 (Sponsor: Professor Barbara Bigelow)

Teaching and Learning with the ‘Seeds of Hope’ in Uraba, Colombia. John Oliveras ’15 (Sponsor: Professor Katerine Bielaczyc)

Rosenblatt Conference Room (University Center-1st Floor)

Political Science Honors Theses (12:30-1:30pm)

12:30-12:50 Stability through Hatred: An Analysis of Anti-American Propaganda and State Stability in Cuba. Patrick Burchat ’15 (Sponsor: Professor Michael Butler)

12:50-1:10 Reproductive Rights in Latin America: Authoritarianism, Identity Framing, Religious ‘Morality,’ and Sexual Health in Argentina, Brazil, and Chile since 1970. Katherine Bogen ’15 (Sponsor: Professor Paul Posner)

1:10-1:30 Theravada Buddhism’s Political Significance under the Military Junta (1992-2011) and President Thein Sein’s Democratizing Government (2011-) in Myanmar. Kimiko ’15 (Sponsor: Valerie Sperling)

Political Science (1:30-1:45pm)

1:30-1:45 Home Rule and Alabama State Constitutional Development. Lauren Howard ’17 (Sponsor: Professor Paul Herron)

Computer Science (2:30-3:30pm)

2:30-3:00 Dehari.com - a social web app for everyday services. Rehan Rasool ’15 (Sponsor: Professor Fred Green)

3:00-3:30 Virtual Fingerprint - Image-Based Authentication Increases Privacy for Users of Mouse-Replacement Interfaces. Viktoria Grindle ’15 (Sponsor: Professor John Magee)
Persky Conference Room (University Center-2nd Floor [behind mailroom])

Art History (1:30-1:50)

1:30-1:50  *Entartete Frauen: Women in the Degenerate Art Exhibition.* Selena Shabot ’15 (Sponsor: Professor Kristina Wilson)

International Development and Social Change (2:00-2:40)

2:00-2:20  *Creating Counter-Spaces for Women of Color.* Cheyenne Wyzzard-Jones ’15 (Sponsor: Professor Eric DeMeulenaere)

2:20-2:40  *Sex Work and Storytelling: Towards a Feminist Epistemology in Oral History Research.* Hannah Yore ’15 (Sponsor: Professor Cynthia Caron)
Fuller Conference Room (Goddard Library-4th Floor)

Green Business Management (MGMT252) (12:30-3:30pm)

12:30-3:30  
**YMCA Sustainability Action Plan.** Kerri Lewis ’15, Eric Hopf ’15, Ramesh Dahal ’16, Sara Hutchinson ’15 & Jiyi Lai ’16

12:30-3:30  
**Nu Cafe Sustainability Action Plan.** Marwane Zouaidi ’15, Alex Turgeon ’15, Sarah Benyamin ’15, Brittany Jablonski Williams ’16 & Anjana Tamrakar ’15

12:30-3:30  
**Bosse Sustainability Action Plan.** Samantha Eaton ’15, Lauren Techla-Hill ’16, Joshua Burger ’15, Elizabeth Barker ’15 & Emily Casey ’15

12:30-3:30  
**The Hanover Theatre Sustainability Action Plan.** Nikoloz Gelashvili ’15, Stefan Dutka ’16, Emily Donahoe ’17, Mark Donahue ’16, Daryle Ward-Cherry ’15 & Emily Glaubitz ’15

12:30-3:30  
**The Worcester Regional Chamber of Commerce Sustainability Action Plan.** Ali Filipovic ’17, Monica Phung ’16, Thomas Rizzo ’15, Carmiya Gale ’16 & Meghan Hawkins ’16

12:30-3:30  
**Shrewsbury Athletic Club Sustainability Action Plan.** Chris Dibble ’16, George Pojani ’15, Nate Lapides ’15, Tyler Collins ’15 & Chandani Shrestha ’15

12:30-3:30  
**Wirefab Inc Sustainability Action Plan.** Matthew Zimmerman ’15, Samantha Caputo ’15, Alex Theisen ’15, Alex Sturtevant ’15 & Alyssa Randise ’16

Prouty Conference Room (Goddard Library-4th Floor)

Urban Development and Social Change (1:00-1:25pm & 2:00-2:15pm)

1:00-1:25  
The Charter School Debate: Perceptions vs. Realities. Sadie Hazelkorn ’15 (Sponsor: Professor Sharon Krefetz)

2:00-2:15  
Creating Positive Community-Based Change Through Yoga. Kelsey Renner ’15 (Sponsor: Professor Ellen Foley) —LEEP Project

Economics (2:30-3:30pm)

2:30-3:30  
Money, Development, and Sustainability. Jemmie Tejeda ’17 (Sponsor: Professor Jude Fernando)
POSTER SESSIONS

Tilton Hall (University Center-2nd floor)

Biochemistry and Molecular Biology

1. *Irreversible Inhibitors of Bovine Aortic Lysyl Oxidase*. Elizabeth Severson ’15 & Shreya Mool ’15 (in collaboration with Kai Peng, graduate student; Sponsor: Professor Fred Greenaway)

2. *Identification of the Potential Zinc Finger Motif in Dictyostelium discoideum Ima1 Protein*. Ying Ge Wang ’16 & Elizabeth Nelson ’16 (in collaboration with Xiang Ren, graduate student; Sponsor: Professor Denis Larochelle)

3. *Investigating the role of CG4096 in EGFR Signaling Pathway*. Pinky Htun ’17 (Sponsor: Professor Justin Thackeray)

Bioinformatics

4. *Copy Number Variation in the Fungal Pathogen Cryptococcus gattii*. Jacob Steenwyk ’15 (Sponsor: Professor John Gibbons)

Biology

5. *Diversification of gene families involved in fruiting body development in Agaricomycetes inferred using comparative genomics*. Sam Kovaka ’16 (Sponsor: Professor David Hibbett)


7. *Effects of Substrate Particle Diameter and Angle of Incline on Lizard Locomotion*. Sarah Kaufman ’15 (Sponsor: Professor Philip Bergmann)

8. *Regulation of nitrogen assimilating transcripts in the diatom Thalassiosira pseudonana*. Rebecca Littlefield ’15 (Sponsor: Professor Deborah Robertson)


10. *Analysis of mRNA transcript stability in Thalassiosira pseudonana using the biosynthetic label 4-thiouracil*. Vanessa Adam ’15 (in collaboration with Minoli Perera, graduate student; Sponsor: Professor Deborah Robertson)

11. *Domesticating Genetics: Evaluating genetic divergence between domesticated and wild fungal strains*. Emma O’Melia ’15 (Sponsor: Professor John Gibbons)

12. *Tannic acid’s impact three-spine stickleback (Gasterosteus aculeatus)*. Yitao Shen ’16 - 2nd Poster at #13 in Tilton Hall (Sponsors: Professors John Baker & Fred Greenaway)

continued
13. *Effect of ancestral and re-evolved limbs on locomotor efficiency in lizards.* Dennis Glynn ’15, Leah Khayter ’17, Mitchell Rosenberg ’16 & Richard Shen ’16 - 2nd Poster at #12 in Tilton Hall (Sponsor: Professor Philip Bergmann)

14. *Effects of morphological variation on locomotor kinematics and performance in three skink species.* Nate Biedak ’17, Marian Crockett ’16, Rickey Phou ’15 & PK Thorstenn ’15 (Sponsor: Professor Philip Bergmann)

15. *Journey to the Center of the Earth: Burrowing Performance and Kinematics Among Skink Lizards.* Brian Davis ’16, Faye Harwell ’15 & Dan Lima ’15 (Sponsor: Professor Philip Bergmann)


17. *Cell Printing: A Novel Quantitative Assay.* James St. Denis ’15 (Sponsor: Professor Denis Larochelle)

**Chemistry**

18. *Unusual Redox Reactions in the Synthesis of Copper Coordination Compounds: The Synthesis of bis(5-NAP)CuCl2 and Multiple Polymorphs of bis(5-NAPH)CuCl4.* Andrew Bellesis ’16 (Sponsor: Professor Mark Turnbull & Polycarbon Industries, Inc.) —LEEP Project

19. *Synthesis, Structure, and Magnetic Behavior of a family of Copper(II) halide/isouquinoline salts and complexes.* Alistair Richardson ’17 & Tyler Zirkman ’17 (Sponsors: Professor Mark Turnbull & Shalene Bothma and Dr. Melanie Rademeyer, University of Pretoria, Pretoria, South Africa)

20. *The effect and synthesis of 2-pyridone substitutions of pyrazine on the magnetic exchange of 2-pyridone/pyrazine linear chains of copper (II) perchlorate.* Meghan Monk ’16 (Sponsor: Professor Mark Turnbull)

21. *A Geometric Model for EDTA-Restricted Crystal-Face Growth Rates in the Synthesis of Cu2O.* Yisrael Lattke ’15 (Sponsor: Professor Luis Smith)

22. *Synthesis of Inhibitor Molecules for the Study of Lysyl Oxidase.* Ashley Burke ’16 & Blaine McCarthy ’15 - 2nd Poster at #23 in Tilton Hall (Sponsor: Professor Charles Jakobsche)


continued
24. The Mechnochemical Synthesis of 5Cap Copper (II) Halides: Magnetic Properties. Penelope Farris ’18 & Jonathan Chellali ’18 (Sponsor: Professor Mark Turnbull)

25. Synthesis Methods and Analysis of 2-Chloro-3-X (X=Cl,Br) Copper (II) Halide Complexes. Robert Dubois ’17 (Sponsors: Professor Mark Turnbull & Jan L. Wikaira, Department of Chemistry, University of Canterbury, New Zealand)

26. Convergent synthesis of dolabellane alcohol as a potential MRSA antibiotic. George Baumgartel ’15 (in collaboration with Michael Reardon, graduate student; Sponsor: Professor Charles Jakobsche)

Environmental Science


28. Forest Regeneration After Spruce Beetle Outbreaks in the Context of a Changed Climate. Moriah Day ’15 (Sponsor: Professor Dominik Kulakowski)

Geography

29. Agroforestry Systems in the pacific island state of Nauru. Corey Dickinson ’15 (Sponsor: Professor Christopher Williams)

30. Assessing Impacts of pH on Agriculture Suitability Analysis Amid a Changing Climate. Charlotte Mays ’15 (Sponsor: Professor Ron Eastman)

31. The Effect of Climate on Post-Fire Regeneration of Lodgepole Pine. Amanda Brackett ’15 & Mary Molloy ’17 (Sponsor: Professor Dominik Kulakowski—LEEP Project)

Geography/Global Environmental Studies

32. Coes Reservoir and Pond Park Renewal and Restoration: Biodiversity Survey and BioBlitz work in Progress. Nicholas Pagan ’15, Madhubanti Anashua ’18, Alexis Charney ’15, Jitske Grift ’18, Devon Miller ’16 & Liz Crowther ’15 (in collaboration with Gaia Khairina, graduate student; Sponsor: Professor Dianne Rocheleau)


34. The Living Machine. Samantha Sandella ’15 & Zachary Jones ’15 (Sponsor: Professor Dianne Rocheleau)

continued

36. The Worcester Kindergarten Initiative: Supporting Local Agriculture and Closing the Health Gap Through Education. Emmy Smela ’15 (Sponsor: Professor James McCarthy)

37. Food Waste White Paper. Rebecca Miller ’15 (Sponsor: Professor Ken Maclean)

Innovation & Entrepreneurship

38. Rise Up: A Social Mentoring Network for Women. Olivia Vande Griek ’15 - 2nd Poster at #74 in Tilton Hall (Sponsor: Professor Shari Worthington)

39. Old Soul Cafe: Business Model Canvas. Denisha Brace ’16, Bianca L’Italien ’16 & Dexel Sagoe-Moses ’17 (Sponsor: Professor Shari Worthington)

40. The Use of Plant Based Construction Materials for Sustainable Change. Jack Ryan ’15 (Sponsor: Professor Shari Worthington)

41. The Fashion Cookbook: Recipes for a Naturally Fashionable Life. Patricia De Carvalho ’15 & Hannah Martin ’15 (Sponsor: Professor Shari Worthington) –LEEP Project

International Development and Social Change

42. The Truth Behind Organ Trafficking. Emma Binder ’15 - 2nd Poster at #43 in Tilton Hall (Sponsor: Professor Ken MacLean)

43. The Ebola Outbreak: A view from behind closed doors. Emma Binder ’15 - 2nd Poster at # 42 in Tilton Hall (Sponsors: Professor Marianne Sarkis & Centers for Disease Control and Prevention) –LEEP Project

44. Immigrant Rights in the Climate of Economic Crisis: A Study of Public Opinion in Seville, Spain. Molly Burns ’15, Steinbrecher Fellow (Sponsor: Professor Ken MacLean) –LEEP Project

45. Trilogy of Violence: Religion, Culture and Identity - The Abused Muslim Woman in the Age of Secular Modernity. Hasnaa Mokhtar ’15 (Sponsor: Professor Denise Humphreys Bebbington)

46. Critical Pedagogy in Practice: The impact of a critical multicultural curriculum on high school students’ development of critical consciousness. Radhika Mitter ’15 (Sponsor: Professor Jude Fernando)

47. Creating a Mentorship Program for the International Development Community and Environment Department. Joanna DaCunha ’15 (Sponsor: Professor Erika Paradis)
49. An Investigative Analysis of Male Victims of Sex Trafficking and their Access to Healthcare Resources. Sami Noor ’15 - 2 More Posters at #50 & #51 in Tilton Hall (Sponsor: Professor Ken MacLean)

Management

51. Mindful. Sami Noor ’15, Quazi Hossain ’18, Lazza Berhe ’18, Nicholas Potamis ’17 & Arthur Lefevre ’16 (Sponsor: Professor Derek Zuckerman, Holy Cross)
52. Efforts-To-Outcome: A Constant Process for Improvement. Sweta Shrestha ’15 (Sponsor: Professor Laurie Ross) –LEEP Project

Philosophy

53. Right to Die: The Case of Dolores Heston. Aaron Sabot ’17 (Sponsor: Professor Judith DeCew)

Psychology

54. Adherence to Masculine Norms of Help Seeking and Alcohol Consumption. John McCarthy ’15 (Sponsor: Professor Kathleen Palm-Reed)
55. Marijuana and Addiction Outcome Expectancies. Mark Crisafulli ’16 (Sponsor: Professor Kathleen Palm Reed)
56. Emotional Awareness Focus Group: University Students’ Perspective on Emotion. Alyssa LoGrasso ’15 (Sponsor: Professor Laura McKee)
57. Relationships between nonprescription stimulant use and academic performance. Alex Guitar ’16 (Sponsor: Professor Kathleen Palm Reed)
58. Cultural Influence on Substance Use. Salsabeil Bayou ’15 (Sponsor: Professor Kathleen Palm Reed)
59. The Multiplex Role of Religion and Resulting Attitudes Toward Homosexuality and Abortion. Paraskevi Kambanis ’16 (Sponsor: Margaret Campbell Obaid, graduate student)
60. The Relationship between Alcohol Use and Misuse in Rates of Impulsivity and Delayed Discounting in College Students. Melanie Dusseault ’16 (Sponsor: Professor Kathleen Palm Reed)
61. Instilling Racial Pride: Transracial Adoptive Parents Navigating their Children’s Racial Groups. Max Tulinski ’15 (in collaboration with Kaitlin Black, graduate student; Sponsor: Professor Abbie Goldberg)

continued
62. Suggested Improvements to Increase Help-Seeking Among Victims of Sexual Assault, Dating Violence, and Stalking at Clark University. Meghan Reilly ’16 (Sponsor: Professor Denise Hines)

63. Making a Family: How Single Mothers by Choice Define Kinship. JoAnna Pearson ’15 (in collaboration with April Moyer, graduate student; Sponsor: Professor Abbie Goldberg)

64. Optimizing Education for Social Issues: The Influence of Empathy on Creativity. Mohamed Ali Elmaola ’18 (Sponsor: Professor Andrew Stewart)

65. The role of vocabulary in narrative production of English Language Learners from low SES. Rayann Mohammad ’15, DaEun Kim ’15, Rachel Epstein ’16 & Madeleine Fontaine ’15 (Sponsor: Professor Elena Zaretsky)

66. Does exposure to oral language program Discussions4Learning increase the complexity of narratives among English Language Learners from low SES? Rebecca Bernstein ’15 (Sponsor: Professor Elena Zaretsky)

67. The Relationship Between Phonological Memory, Working Memory Capacity, and Vocabulary Knowledge Among English Language Learners From Low SES. Hayley Cunningham ’15, Ellen King ’15, Jasmine Galloway ’15 & Brianna Valois ’15 - 2nd Poster at #68 in Tilton Hall (Sponsor: Professor Elena Zaretsky)

68. The Usage of Counter-narratives in Forming Institutional Identities. Brianna Valois ’15 - 2nd Poster at #67 in Tilton Hall (Sponsor: Professor Michael Bamberg)

69. Do college students use marijuana to cope with anxiety? Vladi Highland ’16 (Sponsor: Professor Kathleen Palm Reed)

70. The role of personality in resistance by Women in Concentration Camps. Emma Durocher ’16, Jacqueline Jimenez-Maldonado ’18 & Odile Irakiza ’18 (Sponsor: Professor Johanna Vollhardt)

71. Role of Family Socialization in Female Collective Resistance Activity During The Holocaust. Pooja Patel ’16, Jeffrey Yorke ’16, Emma Sonberg ’17 & Alicja Gancarz ’17 (Sponsor: Professor Johanna Vollhardt)

72. What Leads Clark Students to Drink? Kristian Asfouara ’15 (Sponsor: Professor Kathleen Palm Reed)

73. How mothers of diverse sexual orientations talk to their donor conceived children about their origins. Katelyn Richer ’15 (Sponsor: Professor Abbie Goldberg)

74. Capturing (job) satisfaction: Can a smartphone intervention increase employee wellbeing? Olivia Vande Griek ’15 - 2nd Poster at #38 in Tilton Hall (Sponsor: Professor Laura McKee)

75. Gender and The Holocaust: Jewish Women’s Resistance in Poland. Adelisa Turnadzic ’18, Claire Stehfest ’15 & Brianna Mirabile ’15 (Sponsor: Professor Johanna Vollhardt)

continued
76. **The Influence of Religion on Resistance.** Keelia Harney ’16, Maria Laura Pacheco ’16 & Amira Farrag ’16 (Sponsor: Professor Johanna Vollhardt)

77. **The Importance of Acknowledging Genocide: Armenian and Jewish American Perspectives.** Erin Wurtemberger ’15 - 2nd Poster at #78 in Tilton Hall (in collaboration with Michelle Twali, graduate student; Sponsor: Professor Johanna Vollhardt)

78. **Personality in Predicting Concealed Forms of Resistance.** Allie Bunch ’15, Erin Wurtemberger ’15 - 2nd Poster at #77 in Tilton Hall & Anna Nguyen ’17 (Sponsor: Professor Johanna Vollhardt)

79. **How Old Groups Shape our Expectations of New Groups.** Jiaojiao Long ’16 (Sponsor: Professor Diala Hawi)

80. **Personality and Job Performance.** Kaylee Merlow ’15 (Sponsor: Justin Laplante, graduate student)

81. **Social Rejection.** Emilie Katharina Backer ’16 (Sponsor: Justin Laplante, graduate student)

82. **Table Talk: College Women’s Discourses Surrounding Food, Dieting, and Body Image.** Gianna Bizzarro ’16 (in collaboration with Justin Laplante, graduate student; Sponsor: Professor James Cordova)

83. **Factors Affecting Psychiatric Inpatient Experiences: The Role of Family Involvement.** Jia Min Gao ’16 (in collaboration with Kristen Keefe, graduate student; Sponsor: Professor Esteban Cardemil)

84. **Searching for the Man in the Mirror: Internal Motivators and Treatment Facilitators for Latino Men Court-Mandated to Substance Abuse Treatment.** Hannah Kotzen ’15 & Sarah Hartman (Tufts University Graduate, ’13) (in collaboration with Monica Sanchez, graduate student; Sponsor: Professor Esteban Cardemil)

85. **“Perdiendo nuestras raíces:” The role of religious coping and generational status among Latinos of Mexican origin.** Eriberto Mora ’17 (in collaboration with Oswaldo Moreno, graduate student; Sponsor: Professor Esteban Cardemil)

86. **Measuring Conflict-Specific Victim Consciousness: Preliminary Findings from the Greek-Cypriot Context.** Eliana Hadjiandreou ’16 (Sponsor: Professor Johanna Vollhardt)

87. **A Closer Look at Religious Belief in Psychological Study.** Connor Healy ’15 (in collaboration with Margaret Campbell Obaid, graduate student; Sponsor: Professor Johanna Vollhardt)

88. **Does a Collegiate Athletic Program Influence a Student Athlete's College Selection Process.** Connor Guerin ’16 (Sponsor: Justin Laplante, graduate student)
89. *Young, Gifted and Stressed: Examining the relationship between campus climate and stressors among Black college women attending PWIs.* Naysha Shahid ’15
(Sponsor: Professor Esteban Cardemil)

90. *Perceptions of Barriers to Educational and Occupational Goal Attainment among African American and Latino(a) Emerging Adults.* Ravina Wadhwani ’15
(Sponsor: Professor Jeffrey Arnett)

91. *Gender and Moral Orientation in Sexual Moral Dilemmas.* Turku Hasturk ’17 & Despoina Lioliou ’17 - 2nd Poster at #92 in Tilton Hall (Sponsor: Professor Andrew Stewart)

Sociology

92. "*Why fix something that isn’t broken?*" Patients’ Experiences with Screening Tests for Colorectal Cancer. Despoina Lioliou ’17 - 2nd Poster at #91 in Tilton Hall
(Sponsors: Professor Rosalie Torres Stone & University of Massachusetts Medical School, Worcester, MA)
Academic Commons (Goddard Library-1st Floor)

Communication and Culture

1. **Framing Local Urban Renewal: An Analysis of The Telegram & Gazette’s Coverage of Worcester, Massachusetts Development. Rebecca Miller ’15** (Sponsor: Professor Rachel Gans-Boriskin)

2. **A growing position: a demographic and psychoanalytic profile of the homecare/healthcare and nursing workforce in Worcester, MA. Nathan Donoso-Reddick ’15 & Duncan Hardy ’16** (Sponsor: Dean Michelle Bata) —LEEP Project

3. **Identity Development through Language In Urban Schools. Celia Ringland ’17, Margaret Foster ’18, Savannah MacLean ’17 & Natalie Toracinta ’15** (Sponsors: Professor Sarah Michaels & Bob Knittle & Robin Hunt at Claremont Academy)

4. **Translation and Education - the Next Generation Science Exemplar System for Professional Development (NGSX). Benjamin Sax ’15** (in collaboration with Lyor Dotan, graduate student; Sponsor: Professor Sarah Michaels)

Computer Science

5. **Music through vision. Sarjan Shrestha ’16** (Sponsor: Professor John Magee)

6. **Motion Prediction Sentry Gun through Face Detection. Sara Lieto ’15 & Abhijit Singh ’16** (Sponsor: Professor John Magee)

7. **Sickle cell identification in Red Blood cell images. Ana Luiza Motta Gomes ’16 & Fernando Almeida Coelho ’16** (Sponsor: Professor John Magee)

8. **Assessing Symptoms in DBS Parkinson’s Patients. Courtney Pharr ’17** (Sponsors: Helena Mentis, UMBC and Professor John Magee, Clark University; Distributed Research Experience for Undergraduates)

9. **Paper Drums (Using Color Detection to Play Sounds). Omar Waheed ’15** (Sponsor: Professor John Magee)

10. **Academic Aide: Free Online Math Question Database For Academic Improvement. Jian Bin Guo ’15 and Lukas Leung ’16** (Sponsor: Professor John Magee)

11. **Virtual Fingerprint - Image-Based Authentication Increases Privacy for Users of Mouse-Replacement Interfaces. Viktoria Grindle ’15** (Sponsor: Professor John Magee)

Economics


15. Trade and the Environment: a study across China. Rebecca Chapman ’15 (Sponsor: Professor Chang Hong)


17. A Rising Tide Lifts all Yachts. Benjamin Fine ’15 (Sponsor: Professor Wayne Gray)

18. Direct Access to Microfinance: Does it make you a winner? Shalmalee Ghate ’15 (Sponsor: Professor Marc Rockmore)


20. Wage Differences Between College Majors Over Time. Miga Lee ’15 (Sponsor: Professor Wayne Gray)

21. Wage Determination in Major League Soccer. Trang Luong ’15 (Sponsor: Professor Wayne Gray)

22. Property Management Fees and Residential Housing Prices - A Case Study of Chengdu, China. Yun Mi ’15 (Sponsors: Professors Junfu Zhang & Roxane Anderton)


24. Determinants of Demand Deposits in Europe. Sheila Qamirani ’15 (Sponsor: Professor Marc Rockmore)

25. Sectorial structure and urban economic growth in China. Yifan Qu ’15 (Sponsor: Professor Junfu Zhang)


27. The Impact of Trade and FDI on Productivity in US Manufacturing. Okkar Zaw ’15 (Sponsor: Professor Chang Hong)

English

29. **2015 Prentiss Cheney Hoyt Poetry Contest** (Sponsor: Professor Jay Elliott)
   1\textsuperscript{st} Place: Jessica Hoops ’18 for “Ash Wednesday”
   2\textsuperscript{nd} Place: Nicholas Porcella ’15 for “Port. Man. Teau.”
   3\textsuperscript{rd} Place: Cara Yacino ’15 for “These are Dark Times for Robots”

30. **2015 Betty ’79 & Stanley Sultan Short Story Contest** (Sponsor: Professor Jay Elliott)
   1\textsuperscript{st} Place: Madhubanti Anashua ’18 for “Mother”
   2\textsuperscript{nd} Place: Laura Barker ’17 for “Death’s Morning Routine”
   3\textsuperscript{rd} Place: Sarah Wells ’17 for “The Observer”

31. **2015 Loring Holmes & Ruth Dodd Drama Contest** (Sponsor: Professor Jay Elliott)
   1\textsuperscript{st} Place: Margaret French ‘15 for “Garden Party”
   2\textsuperscript{nd} Place: Laura Barker ‘17 for “Move On/Slow Down”
   3\textsuperscript{rd} Place: Chloe Anderson ’17 for “Reality Check”

32. **Almost Becoming: A Multimedia Honors Project. Joel Helander ’15** (Sponsor: Professor James Elliott)
33. **Transcending the Binary: Gender, Identity, and Representation. Laura Matthew ’15** (Sponsor: Professor Betsy Huang)
34. **Urban Fantasy. Levi Byrne ’15** (Sponsor: Professor Meredith Neuman)
35. **Getting to Say Goodbye: A Memoir. Nicholas J. Porcella ’15** (Sponsor: Professor James Elliott)
36. **Conception to Composition: Writing a First Novel. Jeremy Levine ’15** (Sponsor: Professor James Elliott)

Language, Literature and Culture: "Treasures of Goddard Library: The German Discovery of Sex"

37. **Understanding Sigmund Freud, Drei Abhandlungen. Dawson Ingersoll ’15, Madeline Phillips ’17, Christina Martinez ’16 & Mia Ayres ’17** (Sponsor: Professor Robert Tobin) —LEEP Project
38. **Magnus Hirschfeld: Early Homosexual Rights Scholar-Activist. Amanda Schramm ’17, Alexandra Hawkins ’17 & Claudia Osorio ’15** (Sponsor: Professor Robert Tobin)
39. **Paragraph 175: Friedrich Wachenfeld, Homosexualität und Strafgesetz. Meghan Paradis ’17, Declan Kurant ’18 & Jewel Beddia ’16** (Sponsor: Professor Robert Tobin)
40. **The Masculinists. Henry Butler ’17, Nikolas Wagner ’18, Nicholas Huzsvai ’15 & Julia Carrasquel Marquez ’16** (Sponsor: Professor Robert Tobin)

continued
41. **Sexologists:** Richard von Krafft-Ebing, *Psychopathia sexualis and Albert Moll, Die conträre Sexualempfindung.* Matthew Hicks ’15, Mintra (Bee) Phophaijit ’16 & Alva Tan ’17 (Sponsor: Professor Robert Tobin)

42. **German Syphilis Research, or: You Had to Be There.** Nick Gilfor ’18, Mackenzie Mullins ’18, Cole Silva ’18 & Elvar Bjarkason ’15 (Sponsor: Professor Robert Tobin)

**Interdisciplinary Projects**

43. *Interning at Thomson Safaris.* Tyler Collins ’15 (Sponsors: Ben Gardner & Thomson Safaris) –LEEP Project

44. *Clark Athletics “You Can Play” Project.* Aaron Johnson ’15 & Zachary Goodstein ’15 (Sponsors: Professor Sarah Michaels & Kevin Anderson)

45. **Online Video: The Visual Future of Content Marketing.** Alexander Turgeon ’16 (Sponsor: Professor Barbara Bigelow) –LEEP Project

**Jewish Studies**

46. **“Lo Yachpor:” Ownership and Property Laws in the Babylonian Talmud.** Margaret Smith ’15 (Sponsors: Professor Everett Fox & Jewish Theological Seminary)

**Mathematics and Computer Science**

47. *Differential Geometry and Brain Images.* Franklin Feingold ’15 - 2nd Poster at #48 in Academic Commons (Sponsor: Professor Gideon Maschler)

**Physics**

48. *The Effects of Impurities on the Checkerboard Pattern in BSCCO.* Franklin Feingold ’15 - 2nd Poster at #47 in Academic Commons (Sponsor: Professor Michael Boyer)

49. *Chaotic dynamics and biophysics system.* Yulin Feng ’15 (Sponsor: Professor Ranjan Mukhopadhyay)

50. *Measuring RF properties of superconductors in a small pulsed magnetic field.* Logan Bishop-Van Horn ’17 (Sponsor: Professor Charles Agosta)

51. *Effect of Hidden Variables on Collective Behavior of Networks.* Sebastian Derian ’15 (Sponsor: Professor Ranjan Mukhopadhyay)

52. *Investigating the Superlattice in the Lithium Purple Bronze using Scanning Tunneling Microscopy.* Aaron Kraft ’16 - 2nd Poster at #53 in Academic Commons (Sponsor: Professor Michael Boyer)

continued
53. Automated Gap identification to Uncover Electronic Inhomogeneity in Bi-2212. Aaron Kraft ’16 - 2nd Poster at #52 in Academic Commons & Zhuoming Tan ’16 (Sponsor: Professor Michael Boyer)

54. Temperature/Doping Dependent Measurements on Bi-2212 using STM. Derek Walkama ’15 (Sponsor: Professor Michael Boyer)

55. Topographic and Spectroscopic Analysis of Cuprous Oxide Nanocubes. Kevin Dunn ’15 (Sponsor: Professor Michael Boyer)

Political Science

56. Justifying the U.S. Constitution. Alexander Wheeler ’15 (Sponsor: Professor Paul Herron)


Studio Art

58. The History of the Iglesia de Dios. Lydia Berry ’15 (Sponsor: Professor Jonathan Derry) –LEEP Project

Visual and Performing Arts

59. The V. E. Cullen Letters. Margaret French ’15 & Fenn Macon ’15 (Sponsor: Professor Hugh Manon) –LEEP Project

Women’s and Gender Studies

60. Queer Theorists of Color: A Look Into the Course Development. Brittany Klug ’16 (Sponsor: Professor Jen Plante)
OTHER EVENTS AND DISPLAYS

_Tilton & Academic Commons_

Scholarly Undergraduate Research Journal (SURJ)

The Scholarly Undergraduate Research Journal (SURJ) provides a forum for student researchers as well as those interested in the peer review and publishing process. The SURJ staff and Editorial Board have partnered with faculty advisers and reviewers to present this inaugural issue.

Copies can be purchased in both the Academic Commons and Tilton Hall.

Thank you!  
Emma Binder ’15  
SURJ Marketing Editor

_Traina Center for the Arts_

Visual and Performing Arts

_Studio Art Senior Thesis Exhibition_ (sponsor: Professor Elli Crocker)  
Schiltkamp Gallery, 92 Downing Street

FRAMEWORK  
April 22 through May 17, 2015

Opening Reception: 4:30-6:30pm Today, April 22, 2015

This annual exhibition is a group show celebrating a diverse selection of art by graduating Studio Art majors. This year the students are:  
Julia Baronowski ’15, Lydia Berry ’15, Ria Citrin ’15, Taylor Hopkins ’15, Courtney Johnson ’15, Tracy Oakley ’15 & Breanna Tucker ’15

Screen Studies

_SCRN 208: Advanced Digital Production: Narrative Fiction Short Film Festival_  
(sponsor: Professor Stephanie Larrieux)

Razzo Hall, Wednesday, April 22, 2015 — (6 - 8 pm)
Academic Spree Day 2015
Sponsored by the Office of the Dean of the College
Faculty Coordinator: Professor James V. Córdova, Department of Psychology
Staff Coordinators: Rebecca Bergmann and Karen Wilber, Department of Psychology