Poster Sessions

Monday, April 23
9 a.m. – 5 p.m.

Murray Center
9- 11 a.m. sessions

INDEPENDENT/DIRECTED STUDY

Benchmarking Soil Health and Soil Organic Carbon Stocks Among Varying Eco-Sites on the Rhode Island College Campus
Melanie Howard, Jessica Martineau, Ilse Iglesias, Kaitlyn McFadden (Mentor: Daniel Hewins, Biology)

Differential Responses in Stress Response to a Performance Based and Interpersonal Stresor
Vanessa Villon, Orianna Duncan, Audrianna Vito (Mentor: Emily Cook, Psychology)

RESEARCH- AND/OR CREATIVE- INTENSIVE COURSES

HIST 333: American Gender and Women's History

Mabel Orgelman: Rhode Island Suffrage Biography Project
Kaitlyn Carr (Mentor: Elisa Miller, History)

Mrs. George E. Dunbar: Rhode Island Suffrage Biography Project
Stacey Davis (Mentor: Elisa Miller, History)

Mary R. Ballou: Rhode Island Suffrage Biography Project
Faythann Fallon (Mentor: Elisa Miller, History)

HIST 361: Seminar in History

Let Us Build a Home for Such Children': The Uncovered Story of the Rhode Island State Home and School
Alexandrea Calia (Mentor: Elisa Miller, History)

President Lyndon Johnson's Role in the Civil Rights Movement
Raymond Dolloff (Mentor: Elisa Miller, History)

The True Sons of the American Revolution: Considering Revolution as a Social Movement
Aisha Pierre (Mentor: Elisa Miller, History)

100% American?: The Ku Klux Klan in Rhode Island during the 1920s
Jessica Rose (Mentor: Elisa Miller, History)

HPE 426: Internship in Community Health

Creating a Process to Conducting a Focus Group with Faith Based African American Communities to Address Advance Care Planning
Iesha Artis and Ambar Perez (Mentor: Carol Cummings, Health and Physical Education)

Rhode Island Community Food Bank Member Agencies Health Program Needs
Yesenia Barnier (Mentor: Carol Cummings, Health and Physical Education)

Implementation of a Needs Assessment into the Program: “A Matter of Balance”
Emma Carr (Mentor: Carol Cummings, Health and Physical Education)
Creating, Implementing and Analyzing an Evaluation Tool to Measure Program Outcomes and Participant Satisfaction at a HIV CAB Conference  
**Kevin Cormier** (Mentor: Carol Cummings, Health and Physical Education)

AIDS CARE OCEAN STATE assessment; Identifying barriers HIV/AIDS consumers face impacting medication adherence.  
**Ransel Cruz** (Mentor: Carol Cummings, Health and Physical Education)

Rhode Island Community Food Bank Member Agencies Health Program Needs  
**Yesenia Estrada** (Mentor: Carol Cummings, Health and Physical Education)

Implementation of a Needs Assessment Survey on Healthy Aging in the Workplace  
**Victoria Kulpa** (Mentor: Carol Cummings, Health and Physical Education)

Creating a Pathway Between Thundermist Healthcare Providers and Community Organizations Through a Community Tour in Woonsocket  
**Tatiana Suarez** (Mentor: Carol Cummings, Health and Physical Education)

**HPE 427: Internship in Movement Studies and Recreation**

Importance of Core Stability to Women  
**Brandon Brelsford** (Mentor: Kristen Pepin, Health and Physical Education)

Nutrition and the Modern Baseball Player  
**Richard Calabro** (Mentor: Kristen Pepin, Health and Physical Education)

The Significant Role of Strength and Conditioning Coaches Among Collegiate Athletes  
**Tyler Duffy** (Mentor: Kristen Pepin, Health and Physical Education)

**JSTD 466: Senior Seminar in Justice Studies**

Testing the Deterrence Theory  
**Spencer Barrows** (Mentor: Jill Harrison, Sociology)

Mitigating Circumstances in Death Penalty Cases  
**Collin Costa** (Mentor: Jill Harrison, Sociology)

Disparities, Accountability & Recidivism - A Deeper Look into the Way Violent Female and Male Offenders Are Punished  
**Courtney Desautel** and **Micayla Willis** (Mentor: Jill Harrison, Sociology)

Church Impact on Community Crime  
**Thomas DeTora** (Mentor: Jill Harrison, Sociology)

Sentencing Disparities  
**Devon Malki** (Mentor: Jill Harrison, Sociology)

**PHYS 309: Nanoscience and Nanotechnology**

Microneedle Patch  
**Destiny Henderson** (Mentor: Andrea Del Vecchio, Physical Sciences)

Preservation of Silver Artifacts  
**Melvin Omolo** (Mentor: Andrea Del Vecchio, Physical Sciences)

*This course was supported by a CRCA Integration Grant to the faculty instructor.*
PSYC 475: Research Methods III: Personality/Social Lab

A Child’s Future: Parent-Child Relationships and Delinquency
**Haley Bouley** (Mentor: Katherine Lacasse, Psychology)

The Influence Parenting Styles Have on Alcohol Abuse
**Santiago Caro** (Mentor: Katherine Lacasse, Psychology)

Attachment Styles and Their Relationship to Depression When Social Support is Mediating
**Carolyn Fernandez** (Mentor: Katherine Lacasse, Psychology)

Relationships Between Socioeconomic Status and Views on Immigration
**Dennis Fraser** (Mentor: Katherine Lacasse, Psychology)

Does Your Connection with Your Non-Resident Father Influence Your Susceptibility to Acts of Delinquency?
**Raymond Norberg** (Mentor: Katherine Lacasse, Psychology)

"X" Out Xenophobia!
**Christian Quinonez** (Mentor: Katherine Lacasse, Psychology)

Abuse in Adolescent Relationship
**Dileysi Rivas** (Mentor: Katherine Lacasse, Psychology)

SOC 450: Service Learning in Ecuador*

Ecuador 2017/2018
Emily Gallo and **Christine Thompson** (Mentor: Jill Harrison, Sociology)
11 a.m.- 1 p.m. sessions

HONORS PROGRAM

Examining the Effectiveness of Retrieval-based Learning Strategies in First-Generation College Students
Ashley Bazin (Mentor: Megan Sumeracki, Psychology)

INDEPENDENT/ DIRECTED STUDY

Enhancing the Conductivity of Graphitic Thin Films Using Silver Nano Wires
Miles St John (Mentor: Medini Padmanabhan)

Study of Methodology of Fresh Water Ion Analysis
Jay Barbaria (Mentor: Sarah Knowlton)

RESEARCH- AND/OR CREATIVE- INTENSIVE COURSES

ANTH 483: Anthropology Field School- Biological Anthropology
Maurading Monkeys: Preventing Trash-Raiding Behavior by Free-Ranging White-Faced Capuchin Monkeys (Cebus capucinus)
Patrick Afonso, Amanda Coleman, Taylor Ryan (Mentor: Mary Baker, Anthropology)

Virtual Fieldwork: The Use of Social Media to Communicate Science to Elementary School Children
Patrick Afonso Amanda Coleman, and Taylor Ryan (Mentor: Mary Baker, Anthropology)

CHEM 422: Biochemistry
Allosteric Point Mutations of Human Nicotinamide Phosphoribosyl Transferase (hNAMPT) and their Effect on Activity
Jeni Melo, Scarlet Santos, Ashley Rebelo, Justin Rodrigues, and Jorge Victorino (Mentor: Karen Almeida, Physical Sciences)

HIST 361: Seminar in History
Music and the Vietnam Antiwar Movement during the 1960s
Jake MacKay (Mentor: Elisa Miller, History)

Black Women and Their Fight for Reproductive Rights in the 1960s and 1970s
Olivia McCullough (Mentor: Elisa Miller, History)

African American Women Activists in Rhode Island at the Turn of the Century
Ana Perez (Mentor: Elisa Miller, History)

Child Welfare and The Providence Reform School
Shaina Weintraub (Mentor: Elisa Miller, History)

*This course was supported by a CRCA Integration Grant to the faculty instructor.
HPE 426: Internship in Community Health

Implementation of a Needs Assessment on Sexual Health Education for Intellectual Disability Students and Mentors from The Certificate of Undergraduate Study in College and Career Attainment (CUS in CCA) Program

**Dhienica Charles** (Mentor: Carol Cummings, Health and Physical Education)

Determining the Need for Middle/High School Students to Have Access to A Centralized Career Pathway Website

**Jennifer Rivas** (Mentor: Carol Cummings, Health and Physical Education)

Sleep Hygiene: What Middle School Students Think and Do, and What Their Caregivers and Teachers Perceive That They Think and Do

**Gabrielle Turner** (Mentor: Carol Cummings, Health and Physical Education)

HPE 427: Internship in Movement Studies and Recreation

Pride Strength Project

**Kenneth Charron** (Mentor: Kristen Pepin, Health and Physical Education)

JSTD 466: Senior Seminar in Justice Studies

The Byproducts of Poverty and Their Impact on Violent Crime

**Joel Catterall** (Mentor: Jill Harrison, Sociology)

The #METOO Movement and How Power Influences its Support

**Esther Quiroz** (Mentor: Jill Harrison, Sociology)

PHYS 309: Nanoscience and Nanotechnology*

The Use of Nano-Composite Materials in the Car Industry

**Amy Lagunas** (Mentor: Andrea Del Vecchio, Physical Sciences)

Nanoscience of Spider Silk

**Victor Martelle** (Mentor: Andrea Del Vecchio, Physical Sciences)

New Drug Delivery System

**Edgardo Ortiz** (Mentor: Andrea Del Vecchio, Physical Sciences)

Nanotechnology and Food

**Julissa Pelaez** (Mentor: Andrea Del Vecchio, Physical Sciences)

Improved Cost Efficient Solar Cells

**Stephanie Rivard** (Mentor: Andrea Del Vecchio, Physical Sciences)

PSYC 475: Research Methods III: Personality/Social Lab*

Depression Rates Rise When Pregnant Teens Feel Unsupported

**Grace Brinkerhoff** (Mentor: Katherine Lacasse, Psychology)

Possible Delinquency Predictors

**Chelsea Caetano** (Mentor: Katherine Lacasse, Psychology)

Does Terrorism Make You Like the Police More?

**Brandon Sebetes** (Mentor: Katherine Lacasse, Psychology)

Names in bold indicate students who are presenting at the poster session.
Noon-2 p.m. sessions

HONORS PROGRAM

Rendering Hypercomplex Fractals
**Anthony Atella** (Mentor: Sally Hamouda, Mathematics and Computer Science)

"Ay de mi Alhama": El rey moro, figura cruel, sentimental, o mezcla de ambos?
**Katelyn Burchill** (Mentors: Maricarmen Margenot, Modern Languages and Olga Juzyn, Modern Languages)

Apocalyptic Rhetoric and Subversive Framing in “The Uninhabitable Earth”
**Louisa D'Ovidio** (Mentor: Audrey Olmsted, Communication)

With a Smile and a Song: A Musical Journey Through The Walt Disney Company
**Matthew Haynes** (Mentor: Sam Breene, Music Theater and Dance)

Mirrors of Ourselves: The Specter and Their Reflections
**Sara Porcaro** (Mentor: Karen Boren, English)

The Attitudinal Support for Three Social-Political Movements
**Esther Quiroz** (Mentor: David Sugarman, Psychology)

Site-Specific Labeling of DNA Polymerase Theta Using 5-FAM Cadaverine
**Ashley Rebelo** (Mentor: Jamie Towle-Weicksel, Physical Sciences)

Assessment of the Level of Health Promotion Among Undergraduate Nursing Students at Rhode Island College: A Quantitative and Qualitative Analysis
**Luke Rock** (Mentor: Joanne Costello, Nursing)

A Human Model of ALS in *Drosophila* Expresses Functional Humanized SOD1
**Marianna Shaikhly** (Mentor: Geoffrey Stilwell, Biology)

Pyramids, Pots, and Power: Reconstructing the Political Economy of Ancient Egypt
**Arianna Zakrzewski** (Mentor: Praveena Gullapalli, Anthropology)

INDEPENDENT/DIRECTED STUDY

Age-Dependent Degeneration in an Identified Leg Motor Neuron in a *Drosophila* Model of ALS
**Anthony Agudelo**, Toni-Marie Achilli (Mentor: Geoffrey Stilwell, Biology)

Synthesis, Characterization, and Interactions of Terpyridine-based Metal Complexes with G4-DNA
**Molly Powers** and **Daniela Chavez** (Mentor: Chin Hin Leung, Physical Sciences)

Palm-Domain Melanoma-Derived Mutations of Human DNA Polymerase Exhibit Altered Polymerase Activity
**Gregory Rebelo**, Jorge Victorino, and Lizbeth Avalos (Mentor: Jamie Towle-Weicksel, Physical Sciences)

Synthesis of TTPY (4′-(4-Methylphenyl)-2,2′,6′,2″-terpyridine) Metal Complexes (TLMC) and Their Intermediates
**Michael Travers**, et al. (Mentor: Chin Hin Leung, Physical Sciences)

*This course was supported by a CRCA Integration Grant to the faculty instructor. ..
RESEARCH- AND/OR CREATIVE- INTENSIVE COURSES

ANTH 483: Anthropology Field School- Biological Anthropology

Maurading Monkeys: Preventing Trash-Raiding Behavior by Free-Ranging White-Faced Capuchin Monkeys (*Cebus capucinus*)
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**Patrick Afonso**, Amanda Coleman, Taylor Ryan (Mentor: Mary Baker, Anthropology)

CHEM 422: Biochemistry

Allosteric Point Mutations of Human Nicotinamide Phosphoribosyl Transferase (hNAMPT) and their Effect on Activity
Jeni Melo, Scarlet Santos, **Ashley Rebelo**, Justin Rodrigues, and **Jorge Victorino** (Mentor: Karen Almeida, Physical Sciences)

PHYS 309: Nanoscience and Nanotechnology*

The Use of Nanospars in Gene Therapy
**Jacqueline Escolastico** (Mentor: Andrea Del Vecchio, Physical Sciences)

Emerging Thermal Technologies for Graphene
**Scott Fusco** (Mentor: Andrea Del Vecchio, Physical Sciences)

Using Nanotechnology to Cure Cancer
**George Henin** (Mentor: Andrea Del Vecchio, Physical Sciences)

PSYC 475: Research Methods III: Personality/Social Lab*

Predictors of Eating Disorders in Adolescent Males
**Erika Cappetta** (Mentor: Katherine Lacasse, Psychology)

What Predicts People's Beliefs in Climate Change and Vaccines?
**Charlotte Hutnak** (Mentor: Katherine Lacasse, Psychology)

Protect Our Children
**Lidia Pacheco** (Mentor: Katherine Lacasse, Psychology)

Don't Tell My Mom: The Relationship between Peer and Parent Attitudes on their Child's Involvement in Risky Behavior
**Noelle Sweder** (Mentor: Katherine Lacasse, Psychology)
1-3 p.m. sessions

HONORS PROGRAM

Voice in Prose and Plays
Remson DeJoseph (Mentor: Karen Boren, English)

RESEARCH- AND/OR CREATIVE- INTENSIVE COURSES

ANTH 483: Anthropology Field School- Biological Anthropology

Maurading Monkeys: Preventing Trash-Raiding Behavior by Free-Ranging White-Faced Capuchin Monkeys (*Cebus capucinus*)
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CHEM 422: Biochemistry

Allosteric Point Mutations of Human Nicotinamide Phosphoribosyl Transferase (hNAMPT) and their Effect on Activity
Jeni Melo, Scarlet Santos, Ashley Rebele, Justin Rodrigues, and Jorge Victorino (Mentor: Karen Almeida, Physical Sciences)

HIST 361: Seminar in History

The Opposition to the Legalization of Marijuana
Matthew Chapman (Mentor: Elisa Miller, History)

HPE 426: Internship in Community Health

Creating a Process to Conducting a Focus Group with Faith Based African American Communities to Address Advance Care Planning
Ieshia Artis and Ambar Perez (Mentor: Carol Cummings, Health and Physical Education)

Development of a Support Group and Alternative Medicine Needs Assessment, An Examination of Patient Experience and Needs
Taylor Furtado (Mentor: Carol Cummings, Health and Physical Education)

HPE 427: Internship in Movement Studies and Recreation

The Boys & Girls Club 3 versus 3 March Madness Basketball Tournament
Patrick McVay (Mentor: Kristen Pepin, Health and Physical Education)

*This course was supported by a CRCA Integration Grant to the faculty instructor.*
PORT 202: Composition and Conversation

Crise de Opióides: Como a Educação Afeta a Saúde
**Charity Dell, Kasey Jeronimo, Raquel Martins** (Mentor: Silvia Oliveira, Modern Languages)

O Desafio Político dos Opióides: Estados Unidos vs. Mundo Lusófono
**Sabrina Brum, Nelida Silva, Uzziel Gomez** (Mentor: Silvia Oliveira, Modern Languages)

Saúde e Tecnologia: Estratégias de combate à crise de opioides
**Rasheed Carvalho, Ruben Carvalho, Guilhermina DaSilva** (Mentor: Silvia Oliveira, Modern Languages)

PSYC 475: Research Methods III: Personality/Social Lab

Closeness to Parents ir SES: Identifying At-Risk Youth
**Devin Enos** (Mentor: Katherine Lacasse, Psychology)

Diet? Exercise? How About Marijuana?
**Joshua Mayo** (Mentor: Katherine Lacasse, Psychology)

Will the Big 5 Personality Trait Conscientiousness, Get High School Graduates into College?
**Robert Paglia** (Mentor: Katherine Lacasse, Psychology)

SOC 450: Service Learning in Ecuador*

Fieldwork in Ecuador: Teaching Gardening & Composting
**Allison Barry, Jemma Weibrecht, Jamilex Rodriguez** (Mentor: Jill Harrison, Sociology)

Teaching Hydroponic Engineering
**Marissa Cabral** and Leslie Medina (Mentor: Jill Harrison, Sociology)

*Names in bold indicate students who are presenting at the poster session.*
3-5 p.m. sessions

HONORS PROGRAM

Palm-Domain Melanoma-Derived Mutations of Human DNA Polymerase Exhibit Altered Polymerase Activity
Gregory Rebelo, Jorge Victorino, and Lizbeth Avalos (Mentor: Jamie Towle-Weicksel, Physical Sciences)

INDEPENDENT/DIRECTED STUDY

Investigation of Charge Carrier Mobility in Sn2P2S6
Ivan Biaggio, Lauren Dallachinesa, Sara Pariseau (Mentor: Benjamin Young, Physical Sciences)

Designing Phenomenological Political Sociology Research for Understanding the Experience of Islamophobia
Margaret Desjarlais (Mentor: Richard Weiner, Political Science)

RESEARCH- AND/OR CREATIVE- INTENSIVE COURSES

CHEM 422: Biochemistry

Allosteric Point Mutations of Human Nicotinamide Phosphoribosyl Transferase (hNAMPT) and their Effect on Activity
Jeni Melo, Scarlet Santos, Ashley Rebelo, Justin Rodrigues, and Jorge Victorino (Mentor: Karen Almeida, Physical Sciences)

ECON 462: Seminar in Economic Research

Foreclosure & Crime: A Deeper Look
Michelle Asels (Mentor: Suchandra Basu, Economics)

The Socioeconomic Effects of Income Inequality
Rebecca Carroll (Mentor: Suchandra Basu, Economics)

The Effect of Economic and Political Freedom on GDP
Melissa Lemoine (Mentor: Suchandra Basu, Economics)

Macroeconomic Factors and Suicide Rates: A Study of OECD Countries During the Financial Crisis
Joelle Minisce (Mentor: Suchandra Basu, Economics)

Effectiveness of Charter Schools
Jakub Romaniuk (Mentor: Suchandra Basu, Economics)

HIST 333: American Gender & Women's History

Anna H. Sims: Rhode Island Suffrage Biography Project
Shane Allen (Mentor: Elisa Miller, History)

Mrs. Edwin C. Smith: Rhode Island Suffrage Biography Project
Jenna Branch (Mentor: Elisa Miller, History)

*This course was supported by a CRCA Integration Grant to the faculty instructor..
Mrs. LeBaron C. Colt: Rhode Island Suffrage Biography Project

Devin Costa (Mentor: Elisa Miller, History)

Leila P. Andrews: Rhode Island Suffrage Biography Project

Amy Ramos Lopez (Mentor: Elisa Miller, History)

**HPE 426: Internship in Community Health**

Evaluation of Patient Satisfaction Survey for PCHC

Luzandra Rivas (Mentor: Carol Cummings, Health and Physical Sciences)

**HPE 427: Internship in Movement Studies and Recreation**

Recovery

Allison Lomas (Mentor: Kristen Pepin, Health and Physical Sciences)

Cardiac Rehabilitation Before the Heart Attack

Angel Madera (Mentor: Carol Cummings, Health and Physical Sciences)

Improving Flexibility

Brian Young (Mentor: Kristen Pepin, Health and Physical Sciences)

Self-Efficacy for Exercise at the Collegiate Level

Caroline Zanni (Mentor: Kristen Pepin, Health and Physical Sciences)

**JSTD 466: Senior Seminar in Justice Studies**

Department of Corrections Analysis

Allison Barry, Nicole Cepeda, Haley Morgan, and Jessa Rubera (Mentor: Jill Harrison, Sociology)

Symbolic Interaction and Rap Music

Juliana Calle and Natasia Navarro (Mentor: Jill Harrison, Sociology)

**PORT 202: Composition and Conversation**

Crise de Opióides: Como a Educação Afeta a Saúde

Charity Dell, Kasey Jeronimo, Raquel Martins (Mentor: Silvia Oliveira, Modern Languages)

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Saúde e Tecnologia: Estratégias de combate à crise de opioides

Rasheed Carvalho, Ruben Carvalho, Guilhermina DaSilva (Mentor: Silvia Oliveira, Modern Languages)

**PSYC 475: Research Methods III: Personality/Social Lab**

Parents Versus Siblings

Sydney Bent (Mentor: Katherine Lacasse, Psychology)

What's Your Motive

Laura Harris (Mentor: Katherine Lacasse, Psychology)
Friendships, Academic Achievements and Risk-Taking Behavior

**Ashley Kenyon** (Mentor: Katherine Lacasse, Psychology)

When Passion Predicts Strength of Opinion: Extreme Scores and the Need to Evaluate

**Johanna Martin** (Mentor: Katherine Lacasse, Psychology)

**SOC 345: Victimology**

Victims and Resources-- A Website Assignment

**Matthew Billington, Marcus Essandoh, Javante Johnson, Michaela Murphy, Lidia Pacheco, Taisha Pepin, Rosalin Pizarro, Natalia Pontes, Daiely Rodriguez, Olga Roson, Claudia Varela, Bryan Yepes** (Mentor: Tanni Chaudhuri, Sociology)

*This course was supported by a CRCA Integration Grant to the faculty instructor.*
On display only (9 a.m.–5 p.m.)

FIRST-YEAR SEMINAR

HONR 100: First Year Seminar (Honors)*

Tales from the Crypt: Unearthing the Past at the North Burial Ground
Rebecca Amaral, Vanessa Dias, Nicholas Dwyer, Emily Ferguson, Sophia Fernandes, Kyra Garabedian, Jason Gieck, Casey LaScola, Ethan Lutz, Arianna Ruolo, Alexis Smith, Sierra Stewart, Anastasia Welch, Ernest Wright (Mentor: Erik Christiansen, History)

RESEARCH- AND/OR CREATIVE- INTENSIVE COURSES

HIST 333: American Gender and Women's History

Anne M. Jewett: Rhode Island Suffrage Biography Project
Jordyn Cruise (Mentor: Elisa Miller, History)

Helen N.B. Janes: Rhode Island Suffrage Biography Project
Mikaela Kennedy (Mentor: Elisa Miller, History)

JSTD 466: Senior Seminar in Justice Studies

Analysing Stereotypes of People of Color in Films through a Critical Race Theory lens
Heriberto Rodriguez Calderon (Mentor: Jill Harrison, Sociology)

PHYS 309: Nanoscience and Nanotechnology*

Nano Tech
Miles St. John (Mentor: Andrea Del Vecchio, Physical Sciences)

NanoFET: Propulsion in Space
Dean Uzzo (Mentor: Andrea Del Vecchio, Physical Sciences)