

The thesis component of the Honors Program

consists of a three-semester, six-credit-hour project that culminates in a significant research contribution, performance or body of creative work.

The Honors thesis project involves a collaboration with one or more faculty members who help direct and focus the student's original thesis topic.

The University Honors Program sponsors the Honors Student Symposium as an opportunity for the students to present their theses to the University community, family and friends.



University Honors Program

presents the

Honors Student Symposium
2017

March 24, 2017
1:00 to 5:00 p.m.
Kennedy Union

table of contents

Arts and Sciences

Humanities

- Aiscrima e Checchi: Italian-American Dialect and Development in the New Millennium*
Pedrotti, Elizabeth L. 3:20 pm, Room 331
- Ambiguous Pleasure(ers): Navigating the Bodies of Falstaff and Moll*
Van Atta, Lauren A. 2:20 pm, Room 331
- Evidence and Uncertainty: A Critical Discourse Analysis of Scientific Language Regarding Climate Change and Doubt*
Lawrence, William J. 2:00 pm, Room 331
- Whose Voice the Waters Heard: A Short Story Cycle*
Hagan, Grace E. 1:40 pm, Room 331
- Young Adult Fiction: Inside the Mirror Image*
Flannely, Paige C. 3:40 pm, Room 311

Performing and Visual Arts

- Catholicism, Gender, and Politics in the Music and Performance of the Nueva Canción Song Movement*
Turnwald, Elizabeth M. 2:20 pm, Room 207
- Challenging the Postwar Narrative: The Outsider Art of Boris Lurie*
Remster, Kiersten S. 4:00 pm, Room 207
- Understanding Place Branding*
Bratton, Lucy E. 4:40 pm, Room 331

Life and Physical Sciences

- Amur Honeysuckle (Lonicera maackii) Invasion Drives Alterations in Nutrient Dynamics in Forests and Headwater Streams*
Shade, Charlotte A. 3:00 pm, Room 312
- Analysis of the Spermatid Axoneme Following a Substitution of Drosophila melanogaster Beta 2-Tubulin with Anopheles gambiae Beta 2-Tubulin: Functional or Not?*
Jensen, Christian R. 4:00 pm, Room 331
- CRISPR CREam for Fruit Flies: Developing a Genome-Editing Approach to Study the cis-Regulatory Elements that Control the Activities of Genes*
Hallagan, Alexandra M. 2:40 pm, Room 311
- Dead or Alive? The Story of a Frog's Survival*
Turley, Christopher J. 3:20 pm, Room 310
- Determining the Structure of the Deinococcus radiodurans Nucleoid-associated Protein DR0199 by X-ray Crystallography*
Bridgett, Meggan A. 4:20 pm, Room 311

- Ecdysone (Ec) Signaling Pathway Activation Can Block A β 42-Mediated Neurodegeneration*
Riccetti, Matthew R. 4:20 pm, Room 312
- Effectiveness of Antimicrobial Dark Therapy Utilizing Porphyrins Against Infections Caused by the Model Organism Mycobacterium smegmatis*
Jama, Marissa C. 3:20 pm, Room 312
- The Effects of Structural Modification of the Wing Helix Domain of PriA on Bacterial DNA*
Auer, Erich N. 4:00 pm, Room 311
- Effects of Ultrasound on Amyloid Beta 42 (A β 42) Mediated Neurodegeneration*
Byrne, Sarah M. 3:40 pm, Room 312
- Extending Second and Third-Order Uniqueness Implies Existence Results to Fractional Differential Equations*
Masthay, Tyler M. 3:40 pm, Room 331
- The Impact of the 515nm Effect on Singlet Oxygen Quenching in Photosynthesis: Model System Studies Using β -Carotene-Acid Complexes*
Hoody, Lauren A. 2:00 pm, Room 312
- Investigation of the Role of Mitochondrial Dysfunction as a Trigger for Neurodegeneration in Alzheimer's Disease*
Payton, Lydia C. 1:20 pm, Room 310
- Pravastatin™ Prevents Venous Shear Stress Dependent Induction of Aquaporin 1 Protein Expression in Human Umbilical Vein Endothelial Cells in vitro*
Crum, Raphael J. 3:00 pm, Room 310
- Preparation, Analysis and Derivatization of Benzo [1,2-d:3,4-d':5,6-d'']tris(thiazole)-2,5,8-triamine*
Alessi, Jonathan 3:40 pm, Room 310
- Resolving the Molecular Mechanisms by Which DNA Mutations Alter the Function of a Cis-Regulatory Element*
Wey, Emily E. 2:20 pm, Room 311
- Role of Dpp-Signaling Pathway in Promoting Survival of Retinal Neurons in A β 42-Mediated Neurodegeneration*
Kleppel, Jason N. 4:00 pm, Room 312
- Role of Motif 1 Binding Protein (M1BP) in Eye Development*
Wypasek, Evan J. 4:40 pm, Room 312
- Seasonal Toxic Effects of Honeysuckle on a Model Organism*
Borth, Eric B. 2:40 pm, Room 312
- Synthesis of Bis(quinolino) Ligand for the Removal of Transition Metal Contamination*
Farmer, Alexander J. 4:20 pm, Room 331
- Two-Step Synthetic Route toward Asymmetric and Symmetric Boron Dipyrromethenes: Synthesis, Optical Properties and Electrochemistry*
Coladipietro, Michael A. 4:00 pm, Room 310

- Understanding the Effects of Propionic Acid on Listeria monocytogenes Growth, Survival and Virulence*
Abrams, Elizabeth A. 1:00 pm, Room 310
- Water Chemistry, Biotic Factors and Their Effects on the Populations of Zooplankton and Phytoplankton in Silver Lake in New Carlisle, Ohio, Compared to selected Ohio Lakes and Reservoirs*
Clancy, Jacob J. 3:00 pm, Room 311

Social Sciences

- Behind the Stigma: An Examination of the Impact of Gender and College Adjustment on Attitudes Towards Mental Illness*
Inman, Maggie L. 3:20 pm, Room 207
- A Confirmatory Factor Analysis of Normative and Pathological Personality Traits in a University Student and Community Sample*
Stone, Lisa E. 1:40 pm, Room 222
- The Effects of Adolescent Housing Condition and Voluntary Exercise on Alcohol Intake and Stress Response in Male Long-Evans Rats*
Lynch, Caroline A. 2:00 pm, Room 207
- Effects of Playing Computerized versus Tactile Learning Games on Preschoolers' Attention Skills and Comprehension: A Pilot Study*
Malick, Samantha A. 1:00 pm, Room 207
- Executive Functioning Skills in Preschoolers with High-Functioning Autism Spectrum Disorder Compared to Typically Developing Peers*
Clayback, Kelsey A. 3:40 pm, Room 207
- The Influence of Women's Self-Esteem on Mating Decision-Making Across the Menstrual Cycle*
Golterman, Kathleen D. 1:20 pm, Room 207
- Men's Perceptions of Consent in College Campus Acquaintance Rape*
McDaniel, M. Colleen 1:20 pm, Room 222
- Policy Implications: An Analysis of International Adoption in Relation to Nationalist Sentiment*
Szczechowski, Victoria S. 3:00 pm, Room 207
- The Possible Communal Biases in Alibi Evaluation*
Wessels, Norbert D. 4:20 pm, Room 222
- The Promise of Justice: Are Public and Private Defense Equal?*
Linzmeier, Alicia A. 4:00 pm, Room 222
- Race for the Arctic: National Security Interests in the Far North*
Mackowiak, Matthew B. 4:40 pm, Room 222
- Why Is There a Garden at School? Assessing Metro Parks' Green Schoolyards Program*
Jurcisek, Kaleigh A. 2:00 pm, Room 222
- You Have the Right to... What? A Study of Americans' Knowledge of Their Rights in Criminal Proceedings*
Marchiony, Anna M. 2:40 pm, Room 207

Business Administration

- Accounting for Change: Assessing the Top-line Implications of New Revenue Recognition Principles*
Wargo, Kevin M. 1:20 pm, Room 312
- A Case Study on Inventory Costing Systems*
Hunton, Natalie M. 1:00 pm, Room 312
- A Meta Analytic Review of the Antecedents and Consequences of Servant Leadership in Organizations*
Cali, Ian N. 2:20 pm, Room 310
- Mothers as Career Leaders: Do Family Leave Laws Make a Difference?*
Smith, Briar R. 2:40 pm, Room 310
- Sustainable Investment Portfolio to Maximize Alpha*
Carey, Douglas S. 1:40 pm, Room 312
- Taxation as a Consumption Behavior Modifier – An Experimental Economics Study*
Sroczyński, Nolan E. 2:00 pm, Room 310

Education and Health Sciences

Health and Sport Science

- Amateurism and the NCAA: The Controversy (a Legal Review)*
Pollard, Mitchell W. 3:00 pm, Room 222
- The Impact of Acute Hypoxic Exposure on Vascular Function in Young, Healthy Humans*
Kelsch, Elizabeth A. 2:40 pm, Room 222

Teacher Education

- Educating the Whole Child: Using Positive Adult Relationships to Develop Noncognitive Skills in Students Facing Adversity*
Saurine, Virginia A. 4:20 pm, Room 211
- The Legal Perceptions of Educators in Response to an Opioid Overdose and the Implication for Educator Emergency Medical Intervention*
Wagner, Margaret E. 4:40 pm, Room 211

Engineering

The Ability of Platinum Nanoparticles to Induce Stress Responses, Immune Activation and Signal Transduction Modification in HepG2 Liver Cells

Labrador Rached, Claudia J. 3:20 pm, Room 211

Design of an Opposed-Piston, Opposed Stroke Diesel Engine for Utility Aircraft

Kozal, Luke S. 2:20 pm, Room 211

Design and Protocol for the Utilization and Setup of a Low-Cost Slip Trainer for Fall Prevention

McFadden, Stephen T. 1:00 pm, Room 211

Design and Prototyping of a Shape-changing Rigid-body Human Foot in Gait

Rolfe, Tanner N. 2:40 pm, Room 211

Evaluation of Protection of Fiber Reinforced Polymer Wraps on Bridge Piers from Corrosive Effects of Snow and Ice Chemicals

Miller, Elizabeth S. 3:00 pm, Room 211

The Impact of a Dynamic Environment on Deposition and Cellular Response to Silver Nanoparticles

Uhrig, Robert F. 3:40 pm, Room 211

Influence of Reverse Shoulder Implant Positioning on Patient-Specific Muscle Forces: A Simulation Study

Pariser, Kayla M. 2:00 pm, Room 211

An Investigation of Supercapacitor Design with Specific Emphasis on Energy Density

Padavick, George E. 4:00 pm, Room 211

Rocket Technology and Enabling Well-Stirred Combustion

Peiffer, Erin E. 1:20 pm, Room 211

The Patrick F. Palermo Honors Program Founders Fund

provides support for substantive Honors thesis projects "that involve international research, service and leadership in the community, or which advance the realization of a just society."

The awardees for 2016-17 are

Erin Peiffer, Virginia Saurine and RosaLia Stadler

The Daniel Arnold Memorial Scholarship

provides a senior-year scholarship for an Honors student from the College of Arts and Sciences who exemplifies Danny Arnold's commitment to research by completing a thesis project.

The awardee for 2016-17 is

Kelsey Clayback

The Berry Summer Thesis Institute

engages a cohort of mid-career Honors students with records of academic success and an interest in research in a 12-week on-campus program.

Thesis students present their research-in-progress at the Honors Students Symposium during their junior year and their final projects as seniors.

The members of the 2017 cohort will be announced

at the Honors Reception on March 24, 2017