

## **PROGRAM AT A GLANCE**

### **Tuesday, April 11**

- 5:00 p.m. – 6:15 p.m.      **Student Debate: This House Believes that Violent Protests are a Legitimate Counter Action to Oppression**
- 7:00 p.m. – 8:30 p.m.      **Liberty and Justice for All? Race, Sexuality, and Citizenship in the Wake of the Holocaust and Jim Crow South**

### **Wednesday, April 12**

- 9:00 a.m. – 10:30 a.m.      **Paper Session I**
- 11:00 a.m. – 12:30 p.m.      **Paper Session II**
- 12:00 p.m. – 1:30 p.m.      **Pizza Lunch for Symposium Participants and Faculty Sponsors, Student Union Ballrooms**
- 1:30 p.m. – 3:00 p.m.      **Paper Session III**
- 3:30 p.m. – 5:00 p.m.      **Paper Session IV**
- 7:00 p.m. – 8:00 p.m.      **3-Minute Video Research Competition**

### **Thursday, April 13**

- 9:00 a.m. – 10:30 a.m.      **Paper Session V**
- 11:00 a.m. – 12:30 p.m.      **Paper Session VI**
- 12:30 p.m. – 1:30 p.m.      **Lunch Break**
- 1:30 p.m. – 3:00 p.m.      **Paper Session VII**
- 3:30 p.m. – 5:00 p.m.      **Paper Session VIII**
- 6:00 p.m. – 7:30 p.m.      **Poster Session and Reception, Student Union Ballrooms**
- 7:30 p.m. – 7:50 p.m.      **Awards Ceremony, Student Union Ballrooms**

**All Paper Sessions, the Student Debate, and the 3-Minute Video Competition will be held in the Student Union Theatre**

**TUESDAY, APRIL 11, 2017**

**5:00 P.M. – 6:15 P.M. STUDENT DEBATE  
(STUDENT UNION THEATRE)**

Moderator: Dr. Michael Eaves, Department of Communication Arts

**DEBATE TOPIC: THIS HOUSE BELIEVES THAT VIOLENT PROTESTS ARE A  
LEGITIMATE COUNTER ACTION TO OPPRESSION**



Speaker of the House: Dr. Michael Eaves

Pro: Kelsey Townsend and Musiteli Mubuso

Con: Nathalie Jaimes-Arias and Hannah Tabrizi

**TUESDAY, APRIL 11, 2017**

**7:00 P.M. –8:30 P.M. LIBERTY AND JUSTICE FOR ALL? RACE,  
SEXUALITY, AND CITIZENSHIP IN THE WAKE OF  
THE HOLOCAUST AND JIM CROW SOUTH  
(STUDENT UNION THEATRE)**

Moderator: Dr. AJ Ramirez, Department of Women's and Gender Studies

**“For Homosexuals the Third Reich Hasn't Ended Yet:’ Memory,  
Victimhood, and the Law in West Germany”**

Dr. Jake Newsome, United States Holocaust Memorial Museum

**UNITED STATES  
HOLOCAUST  
MEMORIAL  
MUSEUM**

**“For African Americans, Jim Crow Hasn't Ended Yet: Jury Verdicts  
and Justice from the Gilded Age to the Present”**

Dr. Thomas Aiello, Department of History, Valdosta State University

**WEDNESDAY, APRIL 12, 2017**

**9:00 A.M. – 10:30 A.M. PAPER SESSION I (STUDENT UNION THEATRE)**

Moderator: Dr. Lavonna Lovern, Department of  
Philosophy and Religious Studies

**“Chemistry Meets Key West: Modifying a Science and Culture-based  
GPS Tour of America’s Southern Most City”**

Megan D. Slater, Domonique S. Arrington, Shannon M. Pendleton, and  
Joanna H. Thomas  
Department of Chemistry  
Dr. Thomas Manning, Faculty Adviser



**“Wittgenstein’s 1929 Lecture on Ethics: Does Wittgenstein Claim  
Ethical Judgements are Meaningless?”**

Dan Thomas Nix  
Department of Philosophy and Religious Studies  
Dr. Lavonna Lovern, Faculty Adviser

**“Can We Adopt Ethnobotany from Latin America?”**

Alexis Le’Crease Rumph  
Department of Modern and Classical Languages  
Drs. Grazyna Walczak and Michael Savoie, Faculty Advisers

**11:00 A.M. – 12:30 P.M. PAPER SESSION II (STUDENT UNION THEATRE)**

Moderator: Dr. Mary Block, Department of History

**“Brexit: The Driving Factors Behind the Vote to Leave the European Union”**

Connor McCarthy

Department of Political Science

Dr. James T. LaPlant, Faculty Adviser

**“The Infrastructure of the Information Society”**

Kyle Bragg, Victoria Chambless, and Charles Felts

Department of Computer Science

Dr. Chunlei Liu, Faculty Adviser

**“Social Media Gives Black Eye to Black Lives Matter Movement”**

Kendra Danielle Wilson

Department of English

Ms. Barbara Ann Warren, Faculty Adviser



**BLACK LIVES MATTER**

**“Donald Trump: A Racially Discriminatory Past and Possibly Future”**

Kianna Thompson

Department of Management and Healthcare Administration

Mr. Tony Thomas, Faculty Adviser

**1:30 p.m. – 3:00 p.m. Paper Session III (Student Union Theatre)**

Moderator: Dr. Tom Aiello, Department of History

**“Does Sharing the Same Native Language Mean Sharing the Same Errors in a New Language? A Case Study of a Japanese English Language Learner”**

Liesa Marie Stangenberg

Department of Modern and Classical Languages

Dr. Michelle Ocasio, Faculty Adviser

**“Duck and Cover! Atomic Energy, Civil Defense Education, and Neoliberalism”**

Audrey Whittle

Department of Philosophy and Religious Studies

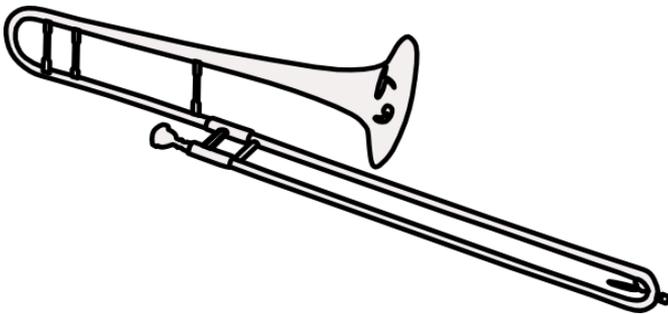
Dr. Lavonna Lovern, Faculty Adviser

**“The Effects of a Native Language on Trombonists’ Playing Abilities”**

Melissa Wilcox

Honors College

Dr. Christine James, Faculty Adviser



**“Eugenics as Genocide: An Untold Secret in the United States”**

Destiny N. Wilkinson

Native American Studies Program

Dr. Lavonna Lovern, Faculty Adviser

**3:30 p.m. – 5:00 p.m. Paper Session IV (Student Union Theatre)**

Moderator: Dr. Fred Knowles, Department of Criminal Justice

**“First in Freedom State’ Passes Bill to Sideline Transgender Freedom:  
An Analysis of Legislative Voting Behavior on  
House Bill 2”**

Kelah M. Hendon  
Department of Political Science  
Dr. James T. LaPlant, Faculty Adviser



**“Technology or Interpreters?”**

Susanna Peonia  
Department of Modern and Classical Languages  
Dr. Ericka H. Parra, Faculty Adviser

**“The Impact of Transgender People in the Media”**

Kameri Jamille Johnson  
Department of Communication Arts  
Dr. Nicole Cox, Faculty Adviser

**“Sor Juana’s Defense of Indigenous Peoples of New Spain,  
Mexico, and Women”**

Jalene Rosetta Snowden  
Department of Modern and Classical Languages  
Dr. Ericka H. Parra, Faculty Adviser



**7:00 P.M. – 8:00 P.M. 3-MINUTE VIDEO RESEARCH COMPETITION  
(STUDENT UNION THEATRE)**

The Undergraduate Research Council (URC) of Valdosta State University invited undergraduate students to showcase their original research through the making and presenting of a 3-minute video. The top six student videos were chosen by the URC to be presented live at the 23rd Annual Undergraduate Research Symposium. Three winners will be chosen by a panel of judges to win cash prizes and have their videos, upon further editing, highlighted on the Valdosta State University website.

**Top Six Finalists:**

Hunter Pope, **“How to Use the Bathroom Appropriately”**

Department of Art

Dr. Glenda Swan, Faculty Adviser

Patrick Hilgert, **“IK Animation Study”**

Department of Art

Mr. Hollis Barnett, Faculty Adviser

Kyle Wilkerson, **“Giardiasis Treatment”**

Department of Chemistry

Dr. Thomas Manning, Faculty Adviser

Laquetta Wysong, **“Marine Chem Goes Coral: Getting Ready for the Keys”**

Department of Chemistry

Dr. Thomas Manning, Faculty Adviser

Tess Baker, **“Overcoming Antibiotic Resistance”**

Department of Chemistry

Dr. Thomas Manning, Faculty Adviser

Thomas Lebsekal and Tyler Ziegler, **“Development of an Electronic Control System”**

Department of Physics, Astronomy, Geosciences, and Engineering

Dr. Barry Hojjatie and Mr. George Mellors, Faculty Advisers



**THURSDAY, APRIL 13, 2017**

**9:00 A.M. – 10:30 A.M. PAPER SESSION V (STUDENT UNION THEATRE)**

Moderator: Dr. Michael Savoie, Honors Program

**“Analyzing the Rescue Drone Maneuvering in the Windy Environment”**

Dongwook Gweon and Jongmin Park  
Department of Physics, Astronomy, Geosciences, and Engineering  
Dr. Barry Hojjatie and Mr. George Mellors, Faculty Advisers

**“Diversity in Children’s Toys”**

Dahnea Finkley  
Department of Communication Arts  
Dr. Nicole Cox, Faculty Adviser



**“A Comparative Analysis of the Lives of Andrei Chikatilo, Tsutomu Miyazaki, and Dennis Rader”**

Nicholas A. Anderson  
Department of Sociology, Anthropology, and Criminal Justice  
Mr. Brandon Atkins, Faculty Adviser

**“Legalizing Prostitution”**

Lauren Horne  
Department of Philosophy and Religious Studies  
Dr. Christine James, Faculty Adviser

**11:00 A.M. – 12:30 P.M. PAPER SESSION VI (STUDENT UNION THEATRE)**

Moderator: Ms. Emily Rogers, Odum Library

**“Neustadt’s Analytical Framework and Lyndon B. Johnson’s  
Presidential Power – ‘The Power to Persuade’”**

Stone Sirmans

Department of Political Science

Dr. Marc G. Pufong, Faculty Adviser

**“Coral Restoration in the Florida Keys: A Novel Solution to a World  
Wide Problem”**

Sarah E. Godfrey, Pavan D. Patel, and Laquetta Wysong

Department of Chemistry

Dr. Thomas Manning, Faculty Adviser



**“Prediction and Estimation of Population Size Using Interpolation and  
Lagrange Polynomial”**

Walter Hufstetler and Sean Heeny

Department of Mathematics

Dr. Jemal Mohammed-Awel, Faculty Adviser

**“Industry 4.0: Current Practices of Leading Countries”**

Jeepil Jang

Department of Management and Healthcare Administration

Dr. Taewon Hwang, Faculty Adviser

**1:30 P.M. – 3:00 P.M. PAPER SESSION VII (STUDENT UNION THEATRE)**

Moderator: Dr. Glenda Swan, Department of Art

**“Diversity in Disney: The Portrayal of Minorities in Disney Films”**

Tiandra Mundy  
Department of Communication Arts  
Dr. Nicole Cox, Faculty Adviser

**“Exploring False Positives/Negatives on Classifying African Americans and Caucasians Using the Static-99”**

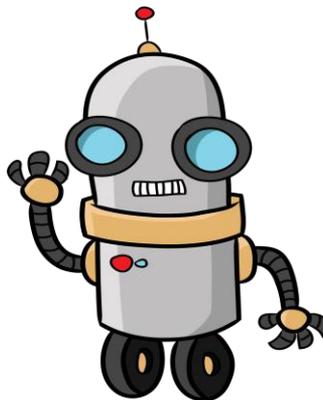
Rebecca Bingham  
Department of Sociology, Anthropology, and Criminal Justice  
Dr. Bobbi Ticknor, Faculty Adviser

**“Breaking the Binary: Indigenous Understandings of Gender and Their Importance Today”**

Audrey Whittle  
Native American Studies Program  
Dr. Lavonna Lovern, Faculty Adviser

**“Building a Robot and an Electronic Control System”**

Steven Remington, Robert Atnip, Tyler Zeigler, and Thomas Lebsekal  
Department of Physics, Astronomy, Geosciences, and Engineering  
Dr. Barry Hoggatie and Mr. George Mellors, Faculty Advisers



Moderator: Dr. Marc Pufong, Department of Political Science

**“Troubled Seas and Scattered Blossoms: Nature Images in Elegiac  
Anglo-Saxon and Japanese Poetry of the Medieval Period”**

Audrey Whittle

Department of English

Dr. Maren Clegg-Hyer, Faculty Adviser

**“The Emergence of Symbolic Reasoning and Symbolic Notation from  
Ancient Times to the 17<sup>th</sup> Century”**

Patsy Kirkland, Margarita Bustos Gonzalez, James Henderson, Roxi

Barkley, and Callie Ragan

Department of Mathematics

Dr. Iwan Elstak, Faculty Adviser

**“The Mexican Revolution and the Literature of Ricardo  
Flores Magón”**

Roberto Carrillo

Department of Modern and Classical Languages

Dr. Grazyna Walczak, Faculty Adviser



**“An Ideological Analysis of *Modern Family*’s Representation of  
Homosexuality”**

Chris Elkins and Will De Lorenzo

Department of Communication Arts

Dr. Nicole Cox, Faculty Adviser

**6:00 P.M. – 7:30 P.M. POSTER SESSION AND RECEPTION  
(STUDENT UNION BALLROOMS)**

**7:30 P.M. – 8:00 P.M. AWARDS CEREMONY AND PRESENTATION OF  
BEST POSTER AWARDS  
(STUDENT UNION BALLROOMS)**

Welcome: Dr. James LaPlant  
Symposium Coordinator

Remarks: Dr. Brian Gerber  
Interim Provost and Vice President for  
Academic Affairs

Presentation of Best Poster Awards

## POSTERS

### ART

**“Women at the Bath”**  
Casey Lynn Daniel  
Dr. Glenda Swan, Faculty Adviser

### BIOLOGY

**“Analysis of Gunnison’s Prairie Dog Alarm Calls”**  
Carson Bartley, Summer Bryant and Mariah Oeser  
Dr. William Loughry, Faculty Adviser



**“Consolidation of Hagfish Research in an Interactive, Virtual Library”**

Daniel W. Pinyan III

Dr. Ted Uyeno and Mr. Michael Holt, Faculty Advisers

**“Distribution of GABA-Like Immunoreactivity in the Central Nervous System of the Blue Crab”**

Angela Bass and Hannah Nettles

Dr. Timothy J. Fort, Faculty Adviser

**“Do Pine Stands Act as a Barrier to Spanish Moss Dispersion?”**

Nia Keyes and Abigail Schwartz

Dr. Corey Devin Anderson, Faculty Adviser

**“Light Filters and Irregular Leaf Spot of Peanut”**

Ariel Sharia Roddy

Dr. Emily Cantonwine, Faculty Adviser

**“Survey of Lichens at Valdosta State University”**

Jason Webster

Dr. Emily Cantonwine, Faculty Adviser

**“The Effects of Clearing Agents on Peanut Leaflets”**

Ariel Sharia Roddy

Dr. Emily Cantonwine, Faculty Adviser

**“Variation of Alarm Calls of Gunnison’s Prairie Dogs”**

Summer Bryant, Carson Bartley, and Mariah Oeser

Dr. William Loughry, Faculty Adviser

## CHEMISTRY

### **“A 24 Hour Lab: A Hands on Elongated View of the Ocean”**

Domonique S. Arrington, Matthew L. Cowan, Sarah E. Godfrey, Drew A. Johnson, Jeremiah K. Jones, Amber R. Lowery, Robert S. Murphy, Pavan D. Patel; Shannon M. Pendleton, Daniel W. Pinyan, Joanna H. Thomas, Devante D. Smedley, Laquetta Wysong, Garrett C. Crook, Richard D. Williams, Shannon M. Pendleton, and Schuyler D. Vickers  
Dr. Thomas Manning, Faculty Adviser

### **“A Simple Approach to Immobilization of Intercalated Dye on Cotton Fabric for Acid Recognition”**

Cera T. Hsu and LaTarsha Taylor  
Dr. Tolulope O. Salami, Faculty Adviser

### **“Building a Remote Operated Vehicle to Carry a GoPro for Underwater Exploration”**

Megan D. Slater, Weldon C. Lane, Garrett Crooks, and Richard D. Williams  
Dr. Thomas Manning, Faculty Adviser



### **“Cancer Drugs and Drug Delivery Systems”**

Andrew Harvin, Ashley Pitts, Jordan Harrell, Ryan Green, Aaron A. Ford, and Kahdeja Patrick  
Dr. Thomas Manning, Faculty Adviser

### **“Cancer Drugs and Potential Carriers”**

Cheyenne Ervin, Weldon C. Lane, Sterling Serfoss, and Megan D. Slater  
Dr. Thomas Manning, Faculty Adviser

**“Carbon Graphene Sheets and Nanotubules as Drug Carriers for  
Cis-Platin and Paraplatin”**

Waleed Al-harby, Tiffany Brown, Ashley Butts, Chelsea Jackson, Briceton  
McNair, and Rechelle Woods  
Dr. Linda de la Garza, Faculty Adviser

**“Carbon Structures As Drug Carriers for Cisplatin,  
Lomustine, and Mustargen”**

Ashley Frazier, Zach Crews, Mitchell Wheeler, Garrett Cook, Shannon  
Pendleton, and Ja'marrius Thomas  
Dr. Thomas Manning, Faculty Adviser

**“Carbon Structures as Drug Carriers for  
Temozolomide and Lomustine”**

Ariana Cooper, Carson Bartley, Faatihah Meunier, and Kory Burns  
Dr. Thomas Manning, Faculty Adviser

**“Easily Ionizable Elements and Chemical Equilibrium  
in a Flame”**

Alexander J. Burch, Kory D. Burns, Andres Contreras, Ian D. Dyson, Cera  
T. Hsu, Sumin Kim, Weldon C. Lane, Ashley E. Pitts, Megan D. Slater,  
Devante D. Smedley, Joanna H. Thomas, Bernabe Tucker, and Ann K.  
Williams  
Dr. Thomas Manning, Faculty Adviser



**“Graphene and Carbon Nanotubes as Drug Carriers for Busulfan,  
Chlorambucil, and Cytosol”**

Michelle Bentivegna, Andres Contreras, Ian Dyson, Brittney Gatewood,  
Derek Hathaway, and Kyle Wilkerson  
Dr. Thomas Manning, Faculty Adviser

**“Quantification of Acetaminophen in Over-The-Counter  
Medication with Cyclic Voltammetry”**

Weldon C. Lane  
Dr. Linda de la Garza, Faculty Adviser

**“Reaction of Peroxynitrite with Sugar Complexes of  
Coumarin Boronic Acid”**

Weldon C. Lane  
Dr. Yakov Woldman, Faculty Adviser

**“Spectroelectrochemical Characterization of Iron (III) Oxide  
Nanoparticulate Films”**

Ann K. Williams  
Dr. Linda de la Garza, Faculty Adviser

**“Synthesis of Chiral Amines on Silica Surfaces”**

Alexander Burch  
Dr. John T. Barbas, Faculty Adviser

**“Synthesis of Hematite Nanocrystalline Colloidal Solutions from Rust  
for Use in Photoelectrochemical Cells”**

Allison B. Taylor  
Dr. Linda de la Garza, Faculty Adviser

**“Strategic Exercises in Vocabulary: Turning a Puzzle into a Patent”**

Ashley D. Butts, Jordan P. Harrell, Ann K. Williams, Sterling A. Serfoss,  
Bernabe Tucker, Megan D. Slater, and Kory D. Burns  
Dr. Thomas Manning, Faculty Adviser

**“Using Carbon Nanotubes to Effectively Deliver MRI Contrast Agents Using Different R-groups. How to Develop and File a United States Provisional Utility Patent Application”**

Kory D. Burns, Candicee B. Childs, Gregory Davis, Kevin L. Golden, Jordan E. Greene, Karen S. Herring, GiHun Hong, Cera T. Hsu, Sumin Kim, Isaac C. Moore, Parrish L. Nelson, Coral N. Radney, Sterling A. Serfoss, Ashilee T. Thomas, Joanna H. Thomas, Bernabe Tucker, Mitchell B. Wheeler, Richard D. Williams, Alexander J. Burch, Porschea R. Clark, Jacie N. Davenport, Ian D. Dyson, Taylor Holder, Staci A. MacKey, Keanna M. McCrary, Pavan D. Patel, Samantha J. Powell, Shabri I. Simpson, Devante D. Smedley, Khanh-toan T. Tran, Cierra D. Wiggins, and Zachary C. Youngblood  
Dr. Thomas Manning, Faculty Adviser

**COMMUNICATION ARTS**

**“A Gender Studies Analysis of How Gender Roles are Presented in *Steven Universe*”**

Kyle Breaux and Marcia Miles  
Dr. Nicole Cox, Faculty Adviser

**“A Semiotic Analysis of *The Great Gatsby*”**

John Bickel and Hunter Howle  
Dr. Nicole Cox, Faculty Adviser

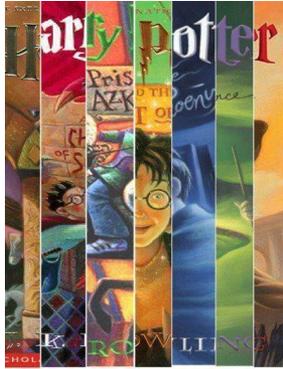
**“Gender Study of *Think Like a Man*”**

Raven Poole and Tiandra Mundy  
Dr. Nicole Cox, Faculty Adviser

**“Harry Potter and the Signs of Moral Uncertainty”**

Avery Stephen and Tyler Singleton

Dr. Nicole Cox, Faculty Adviser



**“Where You Lead, I Will Follow: A Semiotic Analysis of *Gilmore Girls*”**

Kyle Dawson

Dr. Nicole Cox, Faculty Adviser

**COMMUNICATION SCIENCES AND DISORDERS**

**“Classification of Taste Using 6-n-Propylthiouracil Strips”**

Anne N. Baldwin and Reagan E. Plymale

Drs. Ruth Renee Hannibal and Crystal Randolph, Faculty Advisers

**“Interprofessional Collaboration of Students in Communication Sciences and Disorders (CSD) and Nursing Providing Communication and Vital Sign Screenings”**

Laura Bennett, Kammi Blackwelder, Katie Childers, Jordan Dowd, S. Jaye Hilliard, Brandy Morgan, Erica Morris, and Kirsten Williams

Drs. Ruth Renee Hannibal, Crystal Randolph and Laura Carter, Faculty Advisers

**“The Effect of Egocentrism on Vocabulary Development”**

Patrick Elliott

Drs. Ruth Renee Hannibal and Crystal Randolph, Faculty Advisers

**“The Effect of Taste and Temperature on Lingual Swallowing Pressure”**

Victoria Sandefur  
Ms. Melissa Carter, Faculty Adviser

**“The Textbook Conundrum: CSD Students’ Textbook Preferences”**

Julie Tapp  
Drs. Ruth Renee Hannibal and Crystal Randolph, Faculty Advisers

**COMPUTER SCIENCE**

**“Automatic Segmentation of Spanish Moss in Outdoor Imagery”**

Wesley Cook  
Dr. Radu Mihail, Faculty Adviser



**“Counting Leaves with AVL Tree”**  
Deryck Black and John Anthony Dobson  
Dr. Anurag Dasgupta, Faculty Adviser

**“Learning Sky Appearance: Discriminative Models for Sky Segmentation”**

Marco Tupaz Colasito  
Dr. Radu Mihail, Faculty Adviser

**“Malicious Vectors of Networking in Standard Computing Environments”**

Charles Felts, Jeff Haineault, Chloe Kimble, and Rene Perez  
Dr. Sudip Chakraborty, Faculty Adviser

**EARLY CHILDHOOD AND SPECIAL EDUCATION**

**“Literacy and Culture: A Perspective from A Cross-Cultural Cross Section”**

Ansley R. Watson  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Ethiopia”**

Willie Slaughter  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Finland”**

Kaylee Brown  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Germany”**

Shelby Cardin  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Honduras”**

Gabriel Virgil  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Korea”**

Justin Adcock  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Mexico”**

Ricki M. Hardy  
Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Puerto Rico”**

Markesia Barron

Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from the Bahamas”**

Madison Tew

Dr. Lucia Lu, Faculty Adviser

**“Literacy and Culture: A Perspective from Vietnam”**

Kerri Cheek

Dr. Lucia Lu, Faculty Adviser

**“Using *Charlotte’s Web* to Teach the Life Cycle of Spiders”**

Alexandra K. Smit

Dr. Lucia Lu, Faculty Adviser

**“Using *My Fair Lady* to Teach ELA and Social Studies”**

Leslie A. Platt

Dr. Lucia Lu, Faculty Adviser

**“Using *Pride & Prejudice* to Demonstrate Social Institutions in Family, Economics, Politics, Religion, Marriage, and Social Status”**

Vanessa Benitez and Leanna Stuckey

Dr. Lucia Lu, Faculty Adviser

**“Using the African American Maid’s Point of View from *The Help* to Inform the Social Racism of the US in the 1960’s”**

Lisa Taylor, Connor Holton, and Christiana Ellington

Dr. Lucia Lu, Faculty Adviser

**“Using *The Lion King* to Teach the Life Cycle of the Animals in Africa”**

Hannah Brooks, Katie Mueller, and Asia Foster

Dr. Lucia Lu, Faculty Adviser

**“Using *The Piano* to Demonstrate the Beauty and Effect of Sign Language”**

Sarah E. Dorsey and Janice M. Kayse  
Dr. Lucia Lu, Faculty Adviser

**ENGLISH**

**“Lewdness in *The Country Wife*”**

Kimberly Eva Cannon  
Dr. Anne Greenfield, Faculty Adviser

THE  
Country-Wife,  
A  
COMEDY,

Acted at the  
THEATRE ROYAL

Written by Mr. Wycherley.

*Indigne qu'on se vante d'être sage, non plus craint  
Complaisance obligatoire plutôt, tel plus exprime  
Des vices des vertus, tel honneur de prudence plus.*  
Hume.

LONDON:  
Printed for Thomas Diney, at the Harrow, at the  
Corner of Chancery-Lane in Fleet-Street, 1725.

**HEALTH SCIENCES**

**“Effects of High-Intensity Interval Training on Ambulatory Blood Pressure in Prehypertensive Adults”**

Kristopher D. Dawson and Aubrey M. Sweeney  
Dr. Dharini M. Bhammar, Faculty Adviser

**“Utility of Verification Testing for Validating Maximal Oxygen Uptake Measurement”**

Bradley K. Collins and Kristopher D. Dawson  
Dr. Dharini M. Bhammar, Faculty Adviser

## **MATHEMATICS**

### **“State of Georgia Population Estimates and Projections Using Natural Polynomial Splines Constructed Using Existing Data”**

Walter Hufstetler and Sean Heeney  
Dr. Jemal Mohammed-Awel, Faculty Adviser

## **MODERN AND CLASSICAL LANGUAGES**

### **“Second Language Acquisition and the Critical Period Hypothesis”**

Hannah Farmer  
Dr. Victoria Russell, Faculty Adviser

### **“The Effect of Processing Instruction on the Acquisition of Japanese Passives and Honorifics by Native English Speakers”**

Amber York  
Dr. Victoria Russell, Faculty Adviser

## **NATIVE AMERICAN STUDIES**

### **“The Debate Regarding the Founders of the ‘New World’”**

Erin Taylor Shaw  
Dr. Lavonna Lovern, Faculty Adviser

### **“The End of the Mayan Empire: Not the End of the Maya”**

Geena Cherisse Hollis  
Dr. Lavonna Lovern, Faculty Adviser



**“The History of Diabetes in Native American Communities”**

Manuela Francesca Gugliotta  
Dr. Lavonna Lovern, Faculty Adviser

**NURSING**

**“Behavioral Effects on Fetal and Infant Mortality”**

Miranda Bullard, Darbi Hilliard, Taylour Mason, Jian Li Wu,  
and Timyia Smith  
Ms. Paige Krispin, Faculty Adviser

**“Effects of Obesity and Breast Cancer: A Literature Review”**

Joseph Crotty, Abigail Johnson, Angel Moss, and Juawana Stringer  
Ms. Laura Carter, Faculty Adviser

**“Focusing on Patient Education to Reduce Readmission Rates Related  
to Congestive Heart Failure”**

Kara Crotty, Hope Summers, Jodi-Ann Johnson, and Janyne Musso  
Dr. James Holland, Faculty Adviser

**“Impact of Healthcare Access on Complications Related to Type 2  
Diabetes in African Americans”**

Alex Horton III, Courtney Merrion, Katrina Solomon, and Shelby Cannon  
Dr. James Holland, Faculty Adviser

**“Improving Sexual Education in Adolescence and Young Adults to  
Prevent the Spread of HIV/STDs”**

Kristie Dixon, Breonna Walker, Gabrielle Ash, Nicole Lee, and  
Ashley Pritchett  
Ms. Pinckney McGhin, Faculty Adviser

**“Interventions to Prevent Necrotizing Enterocolitis in Preterm Infants”**  
Wesley Alston, Karen DeLeon, Jetta Kimachinde, and Mariah Tucker  
Mr. Scott O’Quinn, Faculty Adviser

**“Major Risk Factors Affecting Cardiovascular Health in the United States”**  
Heather Streichert, Chelsea Coneway, Linda Jimenez, and Kenyatta Miller  
Ms. Donna Corbitt, Faculty Adviser

**“Sexual Health Education and Teenage Pregnancy and STI Rates”**  
Stephanie Barritt, Kylie Fischer, Jessica Londono, Devon Simmons,  
and Savannah Ward  
Ms. Michele Blankenship, Faculty Adviser

**“The Effect of Financial Stability on Pregnancy, Childbirth, and Neonatal Health Care”**  
Jeffrey Behrman, Jared Galbreath, Madeline Marsh, Lovell Simpkins,  
and Haley Wheeler  
Ms. Jennifer Lawson, Faculty Adviser

**“The Importance of Maternal Pre-Conceptual Health”**  
Jayla Abbott, Shannon Thompson, Brienna Daly, Ryan Pearson, and  
Savannah Jones  
Ms. Deborah Sauls, Faculty Adviser

## **PHILOSOPHY AND RELIGIOUS STUDIES**

**“Land of the Free: Standardized Testing and Democracy in the United States”**  
Alisa Marie Pappas  
Dr. Lavonna Lovern, Faculty Adviser

**“Law Enforcement: The Use of Force”**

Harry Campbell

Dr. Lavonna Lovern, Faculty Adviser

**“Playing by the Rules: Wittgenstein’s Philosophy and Literary Criticism”**

Audrey Whittle

Dr. Lavonna Lovern, Faculty Adviser

**“Reviewing Luce Irigaray’s Works in Philosophy”**

Maya Angeline Mapp

Dr. Lavonna Lovern, Faculty Adviser

**“The 14<sup>th</sup> Dalai Lama and the U.S. Presidents: The Struggle for Tibetan Independence in the 1960s”**

Katherine Yancey

Dr. Cristóbal Serrán-Pagán y Fuentes, Faculty Adviser

**PHYSICS, ASTRONOMY, GEOSCIENCES, AND ENGINEERING STUDIES**

**“A Petrologic and Petrographic Analysis of Sandstones from the Broxton Rocks Exposure, Broxton, GA”**

Eric Lee Parrish

Dr. Mark Groszos, Faculty Adviser

**“Advances in 4-D Printing”**

Steven Remington

Dr. Barry Hojjatie, Faculty Adviser

**“An Analysis of Fracture Systems in the Upper Suwannee River,  
North Florida”**

Kendall Brown

Dr. Mark Groszos, Faculty Adviser



**“An Assessment of Carbon Dioxide Emissions Among Contrasting  
Urban Development Patterns in Populated Areas”**

Evan Rentz

Dr. Weimin Feng, Faculty Adviser

**“Analysis of Modern and Historic Seismic Activity Within and  
Surrounding Belize”**

Selene C. Lisbey

Dr. Mark Groszos, Faculty Adviser

**“Analysis of Street Vendors in South Korea”**

Junhyuk Moon

Dr. Jia Lu, Faculty Adviser

**“Analysis of the Use of Scale Bars in Professional Geography Journals,  
1985-2014”**

Hunter Auld

Dr. Paul C. Vincent, Faculty Adviser

**“Comparison of NOAA Lidar Data for Tift County at 1.5 and 3 Meter  
Resolutions, for Adequate Watershed Delineation, and Optimal Data  
Management in the Southeast Watershed Research Area”**

Dylan Ellzey

Dr. Can Denizman, Faculty Adviser

**“Effects of Hurricane Matthew on Barrier Island Erosion”**

William James Jeffers  
Dr. Donald Thieme, Faculty Adviser

**“Efficiency Analysis of Vapor Compression Refrigeration System”**

Mohammed Shahabuddin and Abdulrahman Shuraym  
Dr. Barry Hojjatie and Mr. George Mellor, Faculty Advisers

**“Emergency Planning in Lowndes County, Georgia”**

Russell G. Aldis, Siqing Gao, Antrenique N. Jones, Roscoe J. Kightlinger,  
Caleb M. Koebble, Chenyu Li, Ruvarashe H. Masaisai, Cory D. Reeves,  
Devin J. Russell, Devin G. Smith, Yufei Song, Allison B. Taylor, and  
Zhipeng Zhou  
Dr. Jia Lu, Faculty Adviser

**“Environmental Racism in Florida”**

Rachel E. Wilkerson and Kristen E. Varney  
Dr. Can Denizman, Faculty Adviser

**“Measurements of Temperature in a Commercial Plasma Generator”**

Eric W. Burns and Ashley E. Hardy  
Dr. Dereth J. Drake, Faculty Adviser

**“Moisture Source for Drip Water in Raccoon Mountain Caverns,  
TN, and Its Implications for Interpretation of Speleothem  
Isotope Records”**

Aaron Dixon  
Dr. Weimin Feng, Faculty Adviser

**“National Electric Vehicle Charging Network Beginning in and Connecting America’s National Parks”**

Sean Michael Bolan

Dr. Paul C. Vincent, Faculty Adviser



**“Structural Analysis of Fractures and Lineaments Along a Segment of the Suwannee River in North Florida”**

Phillip Trussell

Dr. Mark Groszos, Faculty Adviser

**“Structural Analysis of Fractures in the Oligocene Suwannee River Limestone, North Florida”**

Melanie Eileen Blanton

Dr. Mark Groszos, Faculty Adviser

**“Study of Map Scale Frequency and Use in Maps in Professional Geography Journals”**

Juan Antonio Deen

Dr. Paul C. Vincent, Faculty Adviser

**“Using the Hilbert-Hwang Transformation to Remove Noise from a Measured Signal”**

James E. Henderson

Dr. Dereth J. Drake, Faculty Adviser

**“Vapor Compression Refrigeration System: Chemical and Biological Aspects of Various Refrigerants”**

Abdulrahman Shuraym and Mohammed Shahabuddin

Drs. Barry Hojjatie, Lynn Wood, and Mark Blackmore, Faculty Advisers

**POLITICAL SCIENCE**

**“‘Trumped’ Up Election, A Look into the Trump Vote in the 2016 Presidential Race”**

Aaron McMillan

Dr. James LaPlant, Faculty Adviser

**“Voter Turnout in the 2016 Presidential Election”**

Joanna K. Smith

Dr. James T. LaPlant, Faculty Adviser



**PSYCHOLOGY AND COUNSELING**

**“ASMR: An Unexplained Phenomenon”**

Alina S. Lopez and Elaina R. Walker

Dr. Jeremy Tost, Faculty Adviser

**“The Effect of Cell Phone Presence and Participant Sex on Reading Comprehension Test Scores and Anxiety”**

Jazmin Garza

Dr. Jeremy Tost, Faculty Adviser

**“The Perception of Accents”**

Sandra Marek

Dr. Jeremy Tost, Faculty Adviser

**“Using Self-Determination Theory to Examine Academic Motivation Among College Military Dependents”**

Breanna M. Drummond

Dr. Meagan C. Arrastia, Faculty Adviser

**SOCIOLOGY, ANTHROPOLOGY, AND CRIMINAL JUSTICE**

**“Naming Practices Around the World”**

Rennique Clough-Rodriques

Dr. Matthew J. Richard, Faculty Adviser



**WOMEN’S AND GENDER STUDIES**

**“Factors Affecting Enrollment in Women’s and Gender Studies Programs”**

Walker Lee

Dr. Catherine Oglesby, Faculty Adviser

## **UNDERGRADUATE RESEARCH COUNCIL**

The Undergraduate Research Council of Valdosta State University was organized in the fall semester of 2011. Membership includes faculty representative from the undergraduate academic departments and programs at VSU. The Council is charged with promoting undergraduate students' interest in research, with seeking ways to promote undergraduate students' involvement in research activities, and with helping faculty identify opportunities to involve undergraduates in research. The Council supports the implementation of Valdosta State University's Quality Enhancement Plan, which promotes undergraduate engagement in discipline-based inquiry. Prior to 2011, an undergraduate research symposium was celebrated for seventeen years in the College of Arts and Sciences.

### **COUNCIL MEMBERS 2016-2017**

Dr. James LaPlant, Chair of the Undergraduate Research Council  
Dr. Tom Aiello, African American Studies  
Dr. Glenda Swan, Art  
Dr. Timothy Fort, Biology  
Dr. Yakov Woldman, Chemistry  
Dr. Michael Eaves, Communication Arts  
Dr. Jade Coston, Communication Sciences and Disorders  
Dr. Anurag Dasgupta, Computer Science  
Dr. Lucia Lu, Early Childhood and Special Education  
Dr. Ubaraj Katawal, English  
Dr. Mary Block, History  
Dr. Michael Savoie, Honors College  
Dr. Matthew Grant, Kinesiology and Physical Education  
Dr. Zulal Denaux, Langdale College of Business Administration  
Ms. Emily Rogers, Library  
Dr. Jemal Mohammed-Awel, Mathematics  
Dr. Robert Spires, Middle, Secondary, Reading and Deaf Education  
Dr. Karen Acosta, Modern and Classical Languages  
Mr. Scott O'Quinn, Nursing and Health Sciences  
Dr. Lavonna Lovern, Native American Studies; Philosophy and Religious Studies  
Dr. Barry Hojjatie, Physics, Astronomy, Geosciences, and Engineering Studies  
Dr. Marc Pufong, Political Science  
Dr. Jennifer Breneiser, Psychology and Counseling  
Dr. Fred Knowles, Sociology, Anthropology, and Criminal Justice  
Dr. Anne Price, Women's and Gender Studies  
Dr. Michael Black, Director for Institutional Effectiveness  
Dr. Lai Kent Orenduff, Dean of Undergraduate Studies

The Undergraduate Research Council would like to extend special thanks to Ms. Khristian Roberts, Mr. James Whelan, and Ms. Reagan Bennett for their generous assistance with organizing the Symposium.