<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tuesday, April 10</strong></td>
<td></td>
</tr>
<tr>
<td>9:30 a.m. – 10:45 a.m.</td>
<td>Paper Session I</td>
</tr>
<tr>
<td>11:00 a.m. – 12:15 p.m.</td>
<td>Paper Session II</td>
</tr>
<tr>
<td>2:00 p.m. – 3:15 p.m.</td>
<td>Paper Session III</td>
</tr>
<tr>
<td>5:00 p.m. – 6:15 p.m.</td>
<td>Student Debate: This House Would Support a Third Gender Option</td>
</tr>
<tr>
<td><strong>Wednesday, April 11</strong></td>
<td></td>
</tr>
<tr>
<td>9:00 a.m. – 10:30 a.m.</td>
<td>Paper Session IV</td>
</tr>
<tr>
<td>11:00 a.m. – 11:50 p.m.</td>
<td>Paper Session V</td>
</tr>
<tr>
<td>12:00 p.m. – 12:50 p.m.</td>
<td>Pizza Lunch for Symposium Participants and Faculty Sponsors, Student Union Ballrooms</td>
</tr>
<tr>
<td>1:00 p.m. – 1:50 p.m.</td>
<td>Paper Session VI</td>
</tr>
<tr>
<td>2:00 p.m. – 3:15 p.m.</td>
<td>Paper Session VII</td>
</tr>
<tr>
<td>3:30 p.m. – 5:00 p.m.</td>
<td>Paper Session VIII</td>
</tr>
<tr>
<td>7:00 p.m. – 8:30 p.m.</td>
<td>3-Minute Video Research Competition</td>
</tr>
<tr>
<td><strong>Thursday, April 12</strong></td>
<td></td>
</tr>
<tr>
<td>9:30 a.m. – 10:45 a.m.</td>
<td>Paper Session IX</td>
</tr>
<tr>
<td>2:00 p.m. – 3:15 p.m.</td>
<td>Paper Session X</td>
</tr>
<tr>
<td>3:30 p.m. – 4:45 p.m.</td>
<td>Paper Session XI</td>
</tr>
<tr>
<td>6:00 p.m. – 7:30 p.m.</td>
<td>Poster Session and Reception, Student Union Ballrooms</td>
</tr>
<tr>
<td>7:30 p.m. – 7:50 p.m.</td>
<td>Awards Ceremony, Student Union Ballrooms</td>
</tr>
<tr>
<td><strong>Friday, April 13</strong></td>
<td></td>
</tr>
<tr>
<td>7:00 p.m. – 8:30 p.m.</td>
<td>Lecture by Dr. Stephanie Hinnershitz</td>
</tr>
<tr>
<td>7:00 p.m. – 8:30 p.m.</td>
<td><em>Different Shade of Justice: Asian American Civil Rights in the South</em></td>
</tr>
<tr>
<td>7:00 p.m. – 8:30 p.m.</td>
<td>Student Union Theater with a book signing to follow</td>
</tr>
</tbody>
</table>

All Paper Sessions, the Student Debate, the 3-Minute Video Research Competition, and Lecture will be held in the Student Union Theatre.
Moderator: Dr. Ubaraj Katawal, Department of English

“How Is That Said: Alaska vs. Georgia”
   Erica Martinez
   Department of English
   Dr. Li-Mei Chen, Faculty Adviser

“Having Faith”
   Kendall Anne Salter
   Department of English
   Dr. Ubaraj Katawal, Faculty Adviser

“Дом vs Home’: A Study of How Differences in Vowel Reduction and Morphology Create Commons Errors in the Pronunciation of Vowels in Russian English Learners”
   Joshua Hanson
   Department of English
   Dr. Li-Mei Chen, Faculty Adviser

“Voice and Silence”
   Lydia Marie Flintroyal
   Department of English
   Dr. Jacob Jewusiak, Faculty Adviser

“Feminine Autonomy and the Commodification of Virginity in Measure for Measure”
   Taylor Collins
   Department of English
   Dr. Maren Clegg-Hyer, Faculty Adviser
11:00 A.M. – 12:15 P.M. PAPER SESSION II (STUDENT UNION THEATRE)

Moderator: Dr. Kelly Davidson, Department of Modern and Classical Languages

“How Negrophilia in Nineteen-Twentieth France Influenced Their Musical Culture Today”
Melissa Raquel Wilcox
Department of Modern and Classical Languages
Dr. Kelly Davidson, Faculty Adviser

“Archetypical Representations of Hispanic Families”
Danielle Spivey
Department of Modern and Classical Languages
Dr. Ericka Parra, Faculty Adviser

“Translating, Bridging the Cultural Gap”
Anna Ruth Shaw
Department of Modern and Classical Languages
Dr. Ericka Parra, Faculty Adviser

“Connected Through History: Moorish Influences on the Iberian Culture”
Erica Martinez
Department of Modern and Classical Languages
Dr. Amy Aronson, Faculty Adviser
2:00 P.M. – 3:15 P.M. PAPER SESSION III (STUDENT UNION THEATRE)

Moderator: Dr. Tom Aiello, Department of History

“Useful Educational Apps for Mobile Devices”
LaShawna Colbert, Erica Johnson, and Jacorey Bell
Department of Computer Science
Dr. Chunlei Liu, Faculty Adviser

“Poem: Can You See It?”
Victor Soto
Department of English
Dr. Chere Peguesse, Faculty Adviser
Ms. Alma Young, CAMP Director

“Using Fun Activities and Problems in Math and Science to Motivate Students in STEM”
Victoria Brathwaite, Kyeomeun Jang, Carson McCullers and Jacob Hancock
Department of Physics, Astronomy, Geosciences, and Engineering Studies
Dr. Barry Hojjatie, Faculty Adviser

“Japan’s Forgotten Crimes: The Use of Comfort Women in World War II”
Audrey Whittle
Department of Philosophy and Religious Studies
Dr. Lavonna Lovern, Faculty Adviser
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 WOULD SUPPORT A THIRD GENDER OPTION

Speaker of the House: Hannah Tabrizi

Pro: Travis Edwards and Shanta Johnson

Con: Kelsey Townsend and Haley Vinson
9:00 A.M. – 10:30 A.M.  PAPER SESSION IV (STUDENT UNION THEATRE)

Moderator: Dr. Michael Savoie, Honors College

“A Study of the Elaboration Likelihood Model Through Voter Participation”
Sylandi Simone Brown
Department of Communication Arts
Dr. Michael Eaves, Faculty Adviser

“The Philosophy of Veganism Expressed by Vegans”
Mayara Camacho Storer
Department of Communication Arts
Dr. Michael Eaves, Faculty Adviser

“The Wantful Eight”
Gabriel Ryan Gonzalez
Department of Communication Arts
Dr. Nicole Cox, Faculty Adviser

“The Girl: Hegemony Within Counterhegemony”
Scarlett Leigh Ashe
Department of Communication Arts
Dr. Nicole Cox, Faculty Adviser
11:00 A.M. – 11:50 A.M. PAPER SESSION V (STUDENT UNION THEATRE)

Moderator: Dr. Charles Johnson, Department of History

“To Make the Eyes Open: The Spirit(s) of Black Mountain College”
Aaron McMillan, April Salas, and Emily K. White
Departments of Political Science, History, and Communication Sciences and Disorders
Dr. Charles Johnson, Faculty Adviser

1:00 P.M. – 1:50 P.M. PAPER SESSION VI (STUDENT UNION THEATRE)

Moderator: Dr. Grazyna Walczak, Department of Modern and Classical Languages

“Evolution’s Effect on Obesity”
Chelsea Ramírez
Department of Modern and Classical Languages
Dr. Karen Acosta, Faculty Adviser

“Sor Juana Inés de la Cruz: A Defense of Marginalized People Through Literature”
Sydni Dozier
Department of Modern and Classical Languages
Dr. Grazyna Walczak, Faculty Adviser

“The Voice of The City: ‘Una señora’ José Donoso’s Short Story”
Destiny Craig-Mojica
Department of Modern and Classical Languages
Dr. Ericka Parra, Faculty Adviser
2:00 P.M. – 3:15 P.M.  PAPER SESSION VII (STUDENT UNION THEATRE)

Moderator: Dr. Crystal Randolph, Department of Communication Sciences and Disorders

“Forms and Fauns: The Corollaries Between C.S. Lewis’s The Chronicles of Narnia and Plato’s Republic”
Stephanine Elizabeth Larkin
Department of Biology and Honors College
Dr. Dennis Bogyo, Faculty Adviser

“Consumer Aids for Online Shopping”
Leah Johnson, Kayla Rivera, and Priya Patel
Department of Computer Science
Dr. Chunlei Lui, Faculty Adviser

“One in the Many, Many, in the One: Understandings of Existence, Identity, and the Individual in Japan”
Audrey Whittle
Native American and Indigenous Studies Program
Dr. Lavonna Lovern, Faculty Adviser

“America and the Paris Agreement: Theories of Environmental Philosophy as Applied to Changing American Policies”
Tiana D’Acchioli
Environmental Studies Program
Dr. Ari Santas, Faculty Adviser
3:30 P.M. – 5:00 P.M.  PAPER SESSION VIII (STUDENT UNION THEATRE)

Moderator: Dr. Marc Pufong, Department of Political Science

“Sandy Hook Shooting: Why the Suspicion?”
Yanira Gonzalez
Department of Political Science
Dr. James T. LaPlant, Faculty Adviser

“Transformative Presidency: Richard Nixon, Unilateral Directives and Gains in Foreign Policy”
Aaron M. McMillan and Matthew A. Allen
Dr. Marc G. Pufong, Faculty Adviser

“The Predicting Factors for Female Incarceration Rates Across the 50 States”
Yanet Garcia
Department of Political Science
Dr. James T. LaPlant, Faculty Adviser

“Police Homicide of Unarmed Citizens Across the 50 States”
Christian Shellman
Department of Political Science
Dr. James T. LaPlant, Faculty Adviser

“Voter Turnout in the 2016 General Election: Does Ease of Voting Increase Voter Turnout?”
Kennedy Horne
Department of Political Science
Dr. James T. LaPlant, 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 eight student videos were chosen by the URC to be presented live at the 24rd Annual Undergraduate Research Symposium. Three winners will be chosen by audience voting as well as a panel of judges to win cash prizes and have their videos highlighted on the Valdosta State University website.

Top Eight Finalists:

Steven Remington, “Experimental Learning in Engineering: Building an Electric Control System”
   Department of Physics, Astronomy, Geosciences, and Engineering
   Dr. Barry Hojjatie, Faculty Adviser

Lacey Reddick and Olivia Rosener, “Generational Social Differences at VSU”
   Department of English and Honors College
   Ms. Susan LaPlant, Faculty Adviser

Kristy Clark, “Populism and Trump”
   Department of Political Science
   Dr. James LaPlant, Faculty Adviser

Megan Slater and Hanna Moss, “ROV’s in STEM Education”
   Department of Chemistry
   Dr. Thomas Manning, Faculty Adviser

Bree Bass and Justin Myrick, “Study of the Central Nervous System of the Blue Crab”
   Department of Biology
   Dr. Timothy Fort, Faculty Adviser

Patrick Elliot, “The Effect of Egocentrism on Vocabulary Development”
   Department of Communication Sciences and Disorders
   Dr. Crystal Randolph, Faculty Adviser

Carson Anderson, “The Harmonic Series and the Desert Crossing Problem”
   Department of Mathematics
   Dr. Shaun Ault, Faculty Adviser
Caylor Mark, “Vitamin C and Cancer”
Department of Chemistry
Dr. Thomas Manning, Faculty Adviser

Thursday, April 12, 2018

9:30 A.M. – 10:45 A.M.  Paper Session IX (Student Union Theatre)

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

“How Technology Influences Our Approach to Mathematics”
James E. Henderson
Department of Mathematics
Drs. Iwan Elstak and Charles Kicey, Faculty Advisers

“Conics and Generalization Through Metrics”
Jessica Wellington and Christine Zeigler
Department of Mathematics
Dr. Charles Kicey, Faculty Adviser

“Drug Legalization in America”
Jonathan Goldthwaite
Department of Philosophy and Religious Studies
Dr. Christine James, Faculty Adviser

“A Survey of Criminal Justice Professionals: Efficient Identification of Mental Disorders”
Katlyn Ford, and Yanet Garcia
Department of Sociology, Anthropology, and Criminal Justice
Dr. Fred Knowles, Faculty Adviser
2:00 P.M. – 3:15 P.M.  PAPER SESSION X (STUDENT UNION THEATRE)

Moderator: Dr. Glenda Swan, Department of Art and Design

“Developing a Novel Delivery System for a Three Pronged Epidemic”
Donomique Arrington, Nia Myers, Zalak Patel, and Chris Slaton
Department of Chemistry
Dr. Thomas Manning, Faculty Adviser

“Integration of AI in Business”
Joshua Jones, Jacquelynn Trapani, and Andrew Wells
Department of Computer Science
Dr. Chunlei Liu, Faculty Adviser

“Questionable Bravery: The Use of Native Americans as Mascots”
James D. Dean III
Native American and Indigenous Studies Program
Dr. Lavonna Lovern, Faculty Adviser

“A Brief Overview of Modern Scatting Techniques”
Daniel M. Wade
Department of Physics, Astronomy, Geosciences and Engineering Studies
Dr. Dereth J. Drake, Faculty Adviser
Moderator: Dr. Lavonna Lovern, Department of Philosophy and Religious Studies

“A Novel Approach to Coral Restoration in the Florida Keys; Post Irma”
Raenah A. Brown, Kaler M. Tomlinson, Christopher A. Slaton, Marcus W. Diaz, Corey J. McGlynn, Yeong Hun Jeong, and Zachary C. Crews
Department of Chemistry
Dr. Thomas Manning, Faculty Adviser

“Advances of Autonomous Vehicles”
Brandon Rawlings and Larry McAllister
Department of Computer Science
Dr. Chunlei Liu, Faculty Adviser

“The Federal Implementation of VAWA 2013 in Indian Country”
Yanet Garcia, Katlyn Ford, and Pedro Ortiz
Department of Native American Studies
Dr. Fred Knowles, Faculty Adviser

“Genocides: Exploring the Genocides of Rwanda and Myanmar”
Nataly Jimenez
Department of Sociology, Anthropology, and Criminal Justice
Dr. Wilson Huang, Faculty Adviser
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 AND PRESENTATION OF BEST POSTER AWARDS**  
**STUDENT UNION BALLROOMS**

Welcome: Dr. Richard Carvajal  
President

Remarks: Dr. Bob Smith  
Provost and Vice President for Academic Affairs

Presentation of Best Poster Awards

---

**POSTERS**

**ART**

“Doing Business in Domestic Spaces: The Caupona of Sotericus”  
Marlene Gray  
Dr. Glenda Swan, Faculty Adviser

“How Negative Images of Ancient Greek Women Enforce Gender Norms”  
Malinda Louise Sees  
Dr. Glenda Swan, Faculty Adviser

**BIOLOGY**

“Easy Methods for DNA Extraction on *Cercospora archidicola*”  
Damion Anthony Castellano  
Dr. Emily Cantonwine, Faculty Adviser
“Mycology in Secondary Education”
Jasmine Carrie Change
Dr. Emily Cantonwine, Faculty Adviser

“Prevalence of *Dirofilaria immitis* Infected *Aedes albopictus* in and Around Lowndes County, Georgia”
Christopher Adam Slaton
Dr. Eric Chambers, Faculty Adviser

“Short term Effects of Hurricane Irma on the Phytoplankton of Lake Louise, Georgia”
Marque'l K. Gould
Dr. James A. Nienow, Faculty Adviser

“The Effect of Nitrogen on Corn Smut, Insects, and Corn Yield”
Andres Contreras
Dr. Emily Cantonwine, Faculty Adviser

“The Importance of *Wolbachia* Bacteria in Mosquito Control and Virus Transmission”
Nia Keyes Myers
Dr. Eric Chambers, Faculty Adviser

“Variation in Alarm Call Structure Within and Across Bouts of Calling of Gunnison’s Prairie Dogs”
Elizabeth Delk
Dr. William Loughry, Faculty Adviser
“Variation in the Alarm Calls of Female Gunnison’s Prairie Dogs”
Schylar Cheyenne Nipper
Dr. William Loughry, Faculty Adviser

CHEMISTRY

“A New Graphene Synthesis; From Research and Development to Patent Application”
Kory D. Burns, Zachary J. Barton, Kyle V. Brooks, Angela B. Bass, Weldon C. Lane, Megan D. Slater, Caitlyn S. Heesh, Daniel J. Kight, and Pavan Patel
Dr. Thomas Manning and Dr. Russ Goddard, Faculty Advisers

“A Novel Approach to Bryostatin Synthesis”
Weldon C. Lane
Dr. Thomas Manning, Faculty Adviser

“Building a Remote Operated Vehicle to Test Water”
Megan D. Slater and Hanna G. Moss
Dr. Thomas Manning, Faculty Adviser

“Coumarin Boronic Acid: Stability and Properties”
Ashilee T. Thomas
Dr. Yakov Woldman, Faculty Adviser

“Detection of Peroxynitrite in Macrophages with Coumarin Boronic Acid”
Weldon C. Lane
Dr. Yakov Woldman, Faculty Adviser

“Dissolved Oxygen, pH, Temperature and Hurricane Irma”
Raenah A. Brown, Kaler M. Tomlinson, Christopher A. Slaton, Marcus W. Diaz, Corey J. McGlynn, Yeong Hun Jeong, and Zachary C. Crews
Dr. Thomas Manning, Faculty Adviser
“Fifteen Species at Bahia Honda State Park: Who Returned After Irma”
Raenah A. Brown, Kaler M. Tomlinson, Christopher A. Slaton, Marcus W. Diaz, Corey J. McGlynn, Yeong Hun Jeong, and Zachary C. Crews
Dr. Thomas Manning, Faculty Adviser

“Internal Standards, Standard Additions and Easily Ionizable Elements in Flame AA”
Dr. Thomas Manning, Faculty Adviser

“Optimizing Taxol’s Medicinal Efficacy; Use of QSAR Calculations to Predict New Derivatives for a Prominent Cancer Drug”
Dr. Thomas Manning, Faculty Adviser

“Spectroscopic and Electrochemical Characterization of Iron (III) Oxide Nanoparticulate Films”
Jasmine L. Harris
Dr. Linda de la Garza, Faculty Adviser

“Strategic Exercises in Vocabulary: Turning a Puzzle into a Patent and a Book!”
Megan D. Slater and Hanna G. Moss
Dr. Thomas J. Manning, Faculty Adviser
“Synthesis of Boronic Esters on Silica, Molecular Sieves, and Anhydrous Sodium Sulfate”
Karla H. Diaz, Mehwish Durrani, Drew Johnson, and Abbey Warren
Dr. John T. Barbas, Faculty Adviser

COMMUNICATION ARTS

“A Cultural Analysis of the Film In Time”
Nina Bald and Jessica Bald
Dr. Nicole Cox, Faculty Adviser

“An Examination of Homelessness in Youth and College Students”
Breanna Johnson
Dr. William Faux, Faculty Adviser

“Gender Studies Analysis for Moonlight”
Shanel Brock and Wilfred Kinuthia
Dr. Nicole Cox, Faculty Adviser

“Get Out: An Analysis of the Film and its Underlying Messages on Race in America”
Kaylon Baker, Jerrick Taylor, and Charles Vinson
Dr. Nicole Cox, Faculty Adviser

“Ideologies in Hacksaw Ridge”
Hamilton Whitford, Shawna Lucas and Jonathan Bice
Dr. Nicole Cox, Faculty Adviser

“Language in the Media: Bill Cosby versus Harvey Weinstein”
Jacobe D. Love
Dr. Nicole Cox, Faculty Adviser
“Let’s Talk Cultural Appropriation”
Devion Jamal Lewis
Dr. Nicole Cox, Faculty Adviser

“Miley Cyrus and the Dramatism Theory”
Kristina Clay
Dr. Michael Eaves, Faculty Adviser

“Representation of African American Women in Media”
Paige Buchanan
Dr. Nicole Cox, Faculty Adviser

“The Burning Repercussions of Hyper-Masculinity”
Nicholas A. Gillis
Dr. Nicole Cox, Faculty Adviser

“The War for Equality in Hollywood”
Andrew James Herring
Dr. Nicole Cox, Faculty Adviser

“Women Represented in Media and Their Pay”
Shawna Lucas
Dr. Nicole Cox, Faculty Adviser

“Zootopia”
Tamera Sanders, Eboni Register, and Avery Wright
Dr. Nicole Cox, Faculty Adviser
COMMUNICATION SCIENCES AND DISORDERS

“The Relationship between Pitch Perception and Pitch Production in Both Music and Speech”
Jeremy W. Bowman
Dr. Matthew Carter, Faculty Adviser

“What Did I Just Read? The Effects of Variable Reading Rate on Silent Reading Comprehension”
Desiree R. Goldstein
Dr. Matthew Carter, Faculty Adviser

COMPUTER SCIENCE

“An Exploration of Red Black Trees and Applications”
KD Adkins, Bethany Norton, Omar Batyah, Walter Hufstetler, and Joanne Wardell
Dr. Anurag Dasgupta, Faculty Adviser

“Analysis and Simulation of Height Advantage in Tennis Games”
Joyce Liu and Jon Liu
Dr. Anurag Dasgupta, Faculty Adviser

“Application of Wireless Technology in Vehicular Environment”
Jasson Isai Romero-Rosales and Michael Johnson
Dr. Chunlei Liu, Faculty Adviser

Alaina Johnson, Jeremy Tannenbaum, and Utsav Patel
Dr. Chunlei Liu, Faculty Adviser
“Literacy and Culture: A Perspective from Brazil”
   Eric Castro
   Dr. Lucia Lu, Faculty Adviser

“Literacy and Culture: A Perspective from China”
   Arris Hill
   Dr. Lucia Lu, Faculty Adviser

“Literacy and Culture: A Perspective from Germany”
   Aaron Brown
   Dr. Lucia Lu, Faculty Adviser

“Literacy and Culture: A Perspective from Jamaica”
   Kylah S. Gilbert
   Dr. Lucia Lu, Faculty Adviser

“Literacy and Culture: A Perspective of Illness”
   Kyra C. Keenan
   Dr. Lucia Lu, Faculty Adviser

“Literacy and Culture: Generational Differences”
   Alycia Ashmore
   Dr. Lucia Lu, Faculty Adviser

“Using My Fair Lady to Demonstrate Speech Pathology”
   Joycealyn Driskell
   Dr. Lucia Lu, Faculty Adviser

“Using the Movie Charlotte’s Web to Teach the Life Cycle of Spiders”
   Xcia Jones
   Dr. Lucia Lu, Faculty Adviser
“Using the Movie *The Piano* To Teach Sign Language”
Chloe Ellison
Dr. Lucia Lu, Faculty Adviser

“Using the Movie *The Wizard of Oz* in Literacy Education”
Seth T. Young
Dr. Lucia Lu, Faculty Adviser

**ENGLISH**

“An Analysis of Accent and Dialect in Literature”
Ashley Franklin
Dr. Li-Mei Chen, Faculty Adviser

“‘er’ and ‘ow’ Sounds, Points of Stress, and Changes in Tone: 
Australian English vs. European English”
Taylor Moore and Taylor Stanfill
Dr. Li-Mei Chen, Faculty Adviser

“How Pronunciation Changes As You Grow: From 
‘Yeyow’ and ‘Geen’ to ‘Yellow’ and ‘Green’”
Markesia Barron and Stephanie Pryor
Dr. Li-Mei Chen, Faculty Adviser
“Pronunciation and Accents between English Learners and Native Speakers”
Amara LaJune Moore and Kanami Sugisaki
Dr. Li-Mei Chen, Faculty Adviser

“‘R’ Sounds and ‘Ought’ Endings in New York and South Georgia”
Jalyea Cheeks
Dr. Li-Mei Chen, Faculty Adviser

“Sounds in New Orleans, Louisiana vs. South Georgia”
Janessa Williams and Tahjma Harris
Dr. Li-Mei Chen, Faculty Adviser

“The Current State of the First Amendment on College Campuses”
Kelsey Dickerson, Darla Dunning, Alex Dunn, and Julie Jernigan
Dr. Patricia Miller, Faculty Adviser

“The Difference between the Accent of a New Yorker and South Carolinian in the Pronunciation of the Words ‘Porridge’ and ‘Comma’”
James Beckman
Dr. Li-Mei Chen, Faculty Adviser

“The ‘ing’ Ending and the ‘o’ Vowel Sounds in an Alaska Dialect Versus the South Georgia Dialect”
Lindsey Garren
Dr. Li-Mei Chen, Faculty Adviser
“The Letters F and P Sound is Different; Red or Ed; Green or Geen, Fun or Pun; Truck or Tuck; Sounds of a Toddler vs. an Adult”
Gwenda Hendrick and Betsy Wilson
Dr. Li-Mei Chen, Faculty Adviser

MATHEMATICS

“On the Amazing Properties of Cyclic Quadrilaterals”
Qua’Shaiila Jackson, Laura Ramirez, and Magnolia Rodrigues Mendoza
Dr. Iwan Elstak, Faculty Adviser

“Toward an Understanding of Skewed Top Corridors”
Joanne Wardell
Dr. Shaun Ault, Faculty Adviser

MODERN AND CLASSICAL LANGUAGES

“Distant Relatives: A Comparative Analysis of the Arabic and Spanish Languages”
Erica Martinez
Ms. Mariya Chakir, Faculty Adviser

“Input, Output, and Interaction in Second Language Acquisition”
Sydni Dozier
Dr. Victoria Russell, Faculty Adviser

“The Effects of Language Learning and Accent on Identity”
Jacquelyn Ann Bolton
Dr. Victoria Russell, Faculty Adviser
“The Zone of Proximal Development and Second Language Teaching”
Amara LaJune Moore
Dr. Victoria Russell, Faculty Adviser

“Ximena En America: English as Spoken by an English Language Learner”
Erica Martinez
Dr. Michelle Ocasio, Faculty Adviser

**NATIVE AMERICAN AND INDIGENOUS STUDIES**

“Learn From Me: A Discussion of Native American Education”
Erin Shaw
Dr. Lavonna Lovern, Faculty Adviser

“The Seminole Tribe of Florida”
Michele Jane Maxwell
Dr. Lavonna Lovern, Faculty Adviser

**NURSING**

“Augmenting Labor: The Examination of the Use of Pitocin on Material and Neonatal Health”
Joseph Barthle, Amber Hughes, Jennifer Vollrath, and Grayson Perryman
Dr. Vicki Wetter, Faculty Adviser
“Community-aquired Methicillin Resistant Staphylococcus aureus in Student Athletes: How Preventative Strategies Will Reduce the Prevalence and Severity of Ca-MRSA Infection”
Vanessa Cox, Kaylee Litteral, Ruth-Ann Shackleford, and Brandon Wilkes
Ms. Donna Corbitt, Faculty Adviser

“Effects of Influenza Vaccine on Children Illness”
Kate Vonier, Liudmila Popova, Olivia Kim, and Sadiyyah Bell
Dr. Dee Ott, Faculty Adviser

“Impact of Traumatic Deliveries and Postpartum Depression”
Ria Jade Williams, Grace Snaza, Audrey Mbah, and Alexis Douglas
Ms. Denise Sauls, Faculty Adviser

“Neonatal Abstinence Syndrome and the Effects of Parental Involvement in Care”
Brianna Williams, Deborah Marine, Levi Sirmons, and Ann Crummey
Ms. Kwanza Thomas, Faculty Adviser

“Nutrition and Wound Healing”
Hannah Bowman, Jamie Watson, Alexus Kitchens, and Katelyn Rahn
Ms. Paige Krispin, Faculty Adviser

“Pressure Ulcer Prevention in Hospitalized Patients”
Kalie Whiddon, Bridget Scherer, Shaniya Cisco, and Chandler Larkin
Ms. Debbie Sauls, Faculty Adviser
“Stress in College Students”
Colton Vanover, Jodie Nobles, Jacob Gravitt, and Hadley Barthel
Ms. Kynthia James, Faculty Adviser

“The Childhood Obesity Crisis”
Jakia Flowers, Crystal Swanson, Shelby Zakarian, Marie Barrett, and Jaison Morning
Dr. Lois Bellflowers, Faculty Adviser

PHILOSOPHY AND RELIGIOUS STUDIES

“Painting the Geisha’s Face: Orientalism and the Misrepresentation of Geisha in Western Media”
Audrey Whittle
Dr. Lavonna Lovern, Faculty Adviser

“Prison Crow: The Aftermath of Black Mass Incarceration”
James D. Dean III
Dr. Lavonna Lovern, Faculty Adviser

“Simone Weil: Concepts Regarding Social Ethics”
Shaquana Edmond
Dr. Lavonna Lovern, Faculty Adviser

PHYSICS, ASTRONOMY, GEOSCIENCES, AND ENGINEERING STUDIES

“A Petrographic Analysis of Feldspar Mineralogy in Pegmatites from Ellijay and Ball Ground Georgia”
Kavin T. Towne
Dr. Mark Groszos, Faculty Adviser
“Analyzing Frequency Signals for Argon and Nitrogen Plasma”
James E. Henderson
Dr. Dereth J. Drake, Faculty Adviser

“Assessing Calcite Growth in Raccoon Mountain Caverns, TN, and Its Implications on Interpretation of Speleothems Climate Record”
Ashley Spradley
Dr. Weimin Feng, Faculty Adviser

“Atlantic Hurricanes of 2016-2017 and Their Effect on the Georgia Coastline”
Amber Brittany Givens
Dr. Donald M. Thieme, Faculty Adviser

“Characteristics of Anodized Reactive Metals”
Savanna L. Burks
Dr. Dereth J. Drake, Faculty Adviser

“Construction of Economical 3D Printer Compatible with Common CAD Program”
Junwoo Kim
Dr. Barry Hojjatie and Dr. Michael Holt, Faculty Advisers
“Design and Construction of an Air Pollution Sensor Mounted on a Drone”
Taehan Kim and Jeongho Kang
Dr. Barry Hojjatie, Faculty Adviser

“Frequency Measurements for a Pulsed RF Plasma”
Zachary J. Barton
Dr. Dereth J. Drake, Faculty Adviser

“Observing the Short-Period Variations in the Apparent Magnitude of Carbon Stars”
Eric W. Burns and Kira N. Forster
Dr. Martha A. Leake, Faculty Adviser

“Public Art”
Moriah Smith
Dr. Jia Lu, Faculty Adviser

“Remote Mineral Exploration Using Martian Analogue Data”
John I. Piper
Dr. Martha Leake, Faculty Adviser

“Shoreline Change on Jekyll Island, Some Effects of Recent Tropical Storms”
Brannon Shaw
Dr. Donald Thieme, Faculty Adviser

“Simulations for the Nitrogen Second Positive System for Electric Discharges”
Bakari E. Bethea, James E. Henderson, and Daniel M. Wade
Dr. Dereth J. Drake, Faculty Adviser

“To Bounce or Not to Bounce: Which Would Hurt More?”
Megan L. Climer and Kira Forster
Dr. Dereth J. Drake, Faculty Adviser
“Transient Conductive Heat Transfer Analysis of Materials Subjected to Rapid Cooling or Heating”
Lucas Jackson and Jared Warmack
Dr. Barry Hojjatie, Faculty Adviser

**POLITICAL SCIENCE**

“Egypt: A Constitution and Human Rights Practices”
Brian A. Nicolaus and Jasson I. Romero-Rosales
Dr. Marc G. Pufong, Faculty Adviser

“Obesity Rates among the Fifty States”
Siria Underwood
Dr. James T. LaPlant, Faculty Adviser

“Presidential Over Congressional War Power”
Tyler E. Tucker
Mr. Paul Arambula, Faculty Adviser

“The Second Amendment in Modern America: Factors Affecting Opinions on Gun Control”
Lauren Abigail Corley
Dr. Mandi Bates Bailey, Faculty Adviser
“The Southern Strategy and Donald J. Trump: A Story of Racial Division, Exploitation, and Fear-mongering”  
Sean P. Jankowski  
Dr. James T. LaPlant, Faculty Adviser

“The Trump Vote in Michigan”  
Brennan Collins  
Dr. James T. LaPlant, Faculty Adviser

“What Affects Attitudes towards Homosexuality?”  
Amirah Williams  
Dr. Mandi Bates Bailey, Faculty Adviser

**Psychology and Counseling**

“Attitudes and Justice towards Domestic Violence”  
Brody Wesley Lathem  
Dr. Jeremy Tost, Faculty Adviser

“Effects of Sexualized Advertising and Participant Sex on Self-Confidence and Mood”  
Julie Lauren Bennett  
Dr. Mark Whatley, Faculty Adviser

“Expectancy and Caffeine Effects on Cognition and Anxiety in College Students”  
Jacinda Miller  
Dr. Joshua S. Rodefer, Faculty Adviser

“Investigation of the Effects of Caffeine and Its Expectancies on Impulsivity and Risk-Taking Behaviors”  
Jamila Chambers  
Dr. Joshua S. Rodefer, Faculty Adviser
“Testing For All: Demographic and Use of Georgia Alternate Assessments”
Kelly D. Childers
Dr. Meagan C. Arrastia, Faculty Adviser

SOCILOGY, ANTHROPOLOGY, AND CRIMINAL JUSTICE

“Mental Health in Valdosta and Lowndes County: Perspective from Service Providers”
Casey Allen, Robert Bennett, Victoria Conrey, Jalissa Curley, Raegan Sandy, Tiffany Tilaka, and Cassandra Walker
Dr. Shelly Yankovskyy, Faculty Adviser
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 2017-2018**

- 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. Crystal Randolph, Communication Sciences and Disorders
- Dr. Anurag Dasgupta, Computer Science
- Dr. Lucia Lu, Elementary Education
- Dr. Ubaraj Katawal, English
- Dr. Charles Johnson, 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. Charles Kicey, Mathematics
- Dr. Robert Spires, Middle, Secondary, Reading and Deaf Education
- Dr. Karen Acosta, Modern and Classical Languages
- Ms. Laura Carter, Nursing and Health Sciences
- Dr. Lavonna Lovern, Native American and Indigenous Studies; Philosophy and Religious Studies
- Dr. Dereth Drake, 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. Lai Kent Orenduff, Dean of Undergraduate Studies

The Undergraduate Research Council would like to extend special thanks to Ms. Courtney Mayton and Ms. Reagan Bennett for their generous assistance with organizing the Symposium.