Twentieth Annual Symposium on Undergraduate Research

STUDENT UNION BALLROOM AND THEATRE

April 8 - 10, 2014
PROGRAM AT A GLANCE

Tuesday, April 8
7:00 p.m. – 8:00 p.m.   Student Debate: Smoking on VSU’s Campus—Pros and Cons

Wednesday, April 9
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. Art Student Competition, VSU Fine Arts Gallery

Thursday, April 10
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 with President McKinney, Student Union Ballrooms

All Paper Sessions and the Student Debate will be held in the Student Union Theatre
7:00 P.M. – 8:00 P.M.  SPOTLIGHT ON THE ARTS: STUDENT DEBATE
(STUDENT UNION THEATRE)

Moderators: Dr. Michael Eaves and Mr. Kevin Bryant, Department of
Communication Arts

Debate Topic: Smoking on VSU’s Campus—Pros and Cons

Pro: Hannah Tabrizi and Allante Fairley

Con: Keven Rudrow and Kyra King
WEDNESDAY, APRIL 9, 2014

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

Moderator: Dr. Matthew Grant, Department of Kinesiology and Physical Education

“Does Education Level and Views on Authority Affect Willingness to Protest?”
Angel Hardy
Department of Sociology, Anthropology and Criminal Justice
Dr. Anne Price, Faculty Adviser

“Measurements and Analysis of Mechanical Strength of Dental Ceramics”
Carlos Ponce, Lauren Hale, Minh Tran and Byung Kim
Department of Physics, Astronomy, Geosciences and Engineering Studies
Dr. Barry Hojjatie, Faculty Adviser

Pamela A. Johnson
Native American Studies Program
Dr. Lavonna Lovern, Faculty Adviser

“A Student-generated Mnemonic for Asymptotes of Rational Functions”
Kyle Land
Department of Mathematics and Computer Science
Dr. Iwan Elstak, Faculty Adviser

“A Cure for Passive Learning”
LaRae Seemann
Department of English
Mr. Gardner Rogers, Faculty Adviser
11:00 A.M. – 12:30 P.M.  PAPER SESSION II (STUDENT UNION THEATRE)

Moderator: Dr. Tracy Woodard, Women’s and Gender Studies Program

“Congress in the 21st Century: Factors Influencing Party Unity in the Contemporary House”
Nicholas A. Rudnik
Department of Political Science
Dr. Luke Fowler, Faculty Adviser

“Belleza Que Restaura/Beauty That Restores”
Darian L. Hector
Department of Modern and Classical Languages
Dr. Ericka H. Parra, Faculty Adviser

“Dijkstra’s Algorithm and Google Maps”
Daniel Lanning
Department of Mathematics and Computer Science
Dr. Jin Wang, Faculty Adviser

“Iroquois Atrocities in the American Revolution”
Garrett Hall
Department of History
Dr. Dixie Haggard, Faculty Adviser

“Deconstruction of Cartesian Paradigms in Samuel Beckett’s Molloy”
Adrienne Fry
Department of English
Dr. Marty Williams, Faculty Adviser
1:30 p.m. – 3:00 p.m.  **Paper Session III (Student Union Theatre)**

Moderator: Dr. Mary Block, Department of History

“Implementation of the Telnet Protocol Using the Java Language”
Andrew J. Wells
Department of Mathematics and Computer Science
Drs. Jason Loew and Dave Gibson, Faculty Advisers

“Divine Healers: The Legacy of the Crusade Era Physicians”
Matthew Thomas Rivera
Department of History and the Honors College
Drs. Sebastian Bartos and Michael Savoie, Faculty Advisers

“Drowning Capitalism: The Aquatic Redemption of the Rabbitte Family in Roddy Doyle’s *The Barrytown Trilogy*”
Ashley M. Miller
Department of English
Dr. Myrto Drizou, Faculty Adviser

“Generational Wealth Gap Between the Baby Boomer and Millennial Generations: Systemic Risks Outside of Federal Regulation”
Joel Dolzier Brown
Department of Accounting and Finance
Dr. Elvan Aktas, Faculty Adviser

“Using Cognitive Dissonance to Persuade People Towards a Plant-Based Diet”
Hannah Jones
Department of Communication Arts
Dr. Michael Eaves, Faculty Adviser
3:30 P.M. – 5:00 P.M.  PAPER SESSION IV (STUDENT UNION THEATRE)

Moderator: Dr. Marc Pufong, Department of Political Science

“6-Year College and University Graduation Rates in Georgia”
Philip Lehman
Department of Political Science
Dr. James LaPlant, Faculty Adviser

“Construction and Deployment of a Green Tech Artificial Reef”
Brittany Butler, Tess Baker, Sydney Plummer, Aaron Calvin, Kelsey Johnson, Warren Lott and Brandon Atwater
Department of Chemistry
Drs. Thomas Manning (VSU) and Kelly McKinnon (Pigeon Key Marine Foundation), Faculty Advisers

“Indigenous Women and Violence in Guatemala”
Amy Lorena Gonzalez
Native American Studies Program
Dr. Lavonna Lovern, Faculty Adviser

“Utility Computing: The Emergence of a New Paradigm”
Kwangil Sim
Department of Management and International Business
Dr. Taewon Hwang, Faculty Adviser

“The Rhetorical Theory Applied to the Sport of Wrestling”
Ryan Baerwalde
Department of Communication Arts
Dr. Michael Eaves, Faculty Adviser
7:00 P.M. – 8:00 P.M.  SPOTLIGHT ON THE ARTS: ART STUDENT COMPETITION (VSU FINE ARTS GALLERY)

Welcome:  Dean Blake Pearce
College of the Arts

Remarks:  Mr. Michael Schmidt
Interim Department Head of Art

The 16th Annual Art Student Competition features 65 works from 44 students. Professor Janis Brothers from Florida Gateway College acted as juror and judge, selecting works for the exhibit from a field of 214 submissions and making nine awards. The exhibition reflects the wide variety of media offerings at VSU, including Animation, Graphic Design, and Interior Design.
THURSDAY, APRIL 10, 2014

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

Moderator: Dr. Michael Savoie, Honors College

“Rethinking Education to Fit the 21st-Century Student”
Erin Jones
Department of English and Honors College
Mr. Gardner Rogers, Faculty Adviser

“Yemen Theocracy and Hypocrisy: Constitutional Optimism within an Illiberal Democracy”
Nicholas A. Rudnik and Kenneth D. Holiday
Department of Political Science
Dr. Marc Pufong, Faculty Adviser

“Analysis of Corrosion Damage in Engineering Materials”
Joshua K. Brant and Jordan B. Franklin
Department of Physics, Astronomy, Geosciences and Engineering Studies
Drs. Barry Hojjatie (VSU), Ahmad Saatchi (Georgia Tech) and KkochNim Oh (Georgia Tech), Faculty Advisers

“Infinitude of Primes of the Form $p=x^2+ny^2$”
Erica Garcia
Department of Mathematics and Computer Science
Dr. Jose Velez Marulanda, Faculty Adviser

“From Child to Woman: Gabriel Pascal’s Cleopatra in the 1945 Film Caesar and Cleopatra”
Victoria C. Rodriguez
Department of History
Dr. Melanie Byrd, Faculty Adviser
11:00 A.M. – 12:30 P.M.  PAPER SESSION VI (STUDENT UNION THEATRE)

Moderator: Dr. Gretchen Bielmyer, Department of Biology

“The Influence of Salinity and Copper Exposure on Copper Accumulation and Physiological Impairment in the Sea Anemone, *Aiptasia pallida*”
Pratikkumar P. Patel
Department of Biology
Dr. Gretchen Bielmyer, Faculty Adviser

“Attention Whore”
Makeda Bryce
Department of Communication Arts (Dance)
Professor Catherine Schaeffer, Faculty Adviser

“Kawasaki Disease: The Most Effective Treatment”
Jasmine Spencer
Honors College
Dr. Christine James, Faculty Adviser

“Examining the Influence of Self-Efficacy and Self-Regulation in an Online Learning Environment”
Rachel Lorraine Bradley
Department of Psychology and Counseling
Drs. Blaine Browne and Heather Kelley, Faculty Advisers

“Interspecific Competition Lokta-Voltera Model with Non-linear Square Root Terms”
Daniel Drummond
Department of Mathematics and Computer Science
Drs. Jemal Mohammed-Awel and Andreas Lazari, Faculty Advisers
1:30 P.M. – 3:00 P.M. PAPER SESSION VII (STUDENT UNION THEATRE)

Moderator: Dr. Tom Aiello, Department of History

“Signal to Noise Ratios Versus Cold Fusion: Student Led Experiment with High Voltage, High Frequency Discharge”
Aaron Calvin
Department of Chemistry
Drs. Thomas Manning (VSU), Russ Goddard (VSU), and Jim Happell (University of Miami), Faculty Advisers

“The Need for 21st-Century Grading”
Morgan Blough
Department of English and Honors College
Mr. Gardner Rogers, Faculty Adviser

“Motivation and Commitment Factors of Volunteers in Environmental Non-Profit Organizations and Implications for the Future”
Adrienne Fry
Honors College
Dr. Michael Savoie, Faculty Adviser

“The Divine Female Redeemer of Trimorphic Protennoia: An Ancient Voice of Female Wisdom”
Susan Leigh Jones
Department of Philosophy and Religious Studies
Dr. Lily Vuong, Faculty Adviser

“Engineering Economic Analysis of the New Health Science and Business Administration Building”
Victoria A. Ratte, Jarred S. Woodruff and Andre J. Council
Department of Physics, Astronomy, Geosciences and Engineering Studies
Drs. Barry Hojjatie (VSU) and Hadi Kahalzadeh (Fairleigh Dickinson University), Faculty Advisers
3:30 P.M. – 5:00 P.M.  PAPER SESSION VIII (STUDENT UNION THEATRE)

Moderator: Dr. Jenny Vu, Department of Chemistry

“The Ambiguity of Masculinity and Femininity in The Strange Case of Dr. Jekyll and Mr. Hyde”
Holly Bassett
Department of English
Dr. Jacob Jewusiak, Faculty Adviser

“The Forbidden Fruit: Organized Religion as a Social Control Device”
Mary Booker
Department of Sociology, Anthropology and Criminal Justice
Dr. Michael Meacham, Faculty Adviser

“Population Dynamic on White-tailed Deer in Georgia”
Jennifer Griffin
Department of Mathematics and Computer Science
Dr. Denise Reid, Faculty Adviser

“Voltaire’s Candide and Postcolonial Thought”
Holly Bassett
Department of Philosophy and Religious Studies
Dr. Aristotelis Santas, 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  (STUDENT UNION BALLROOMS)

Welcome: Dr. James LaPlant
   Symposium Coordinator

Remarks: Dr. William McKinney
   VSU President

   Dr. David Danahar
   Interim Provost and Vice President for
   Academic Affairs

   Presentation of Best Poster Awards

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Posters

ART

“A Design Journey through Russian Churches: The Assumption Cathedral and the Cathedral of St. Vasily the Blessed”
   Tanya Tsaruk
   Mr. Tommy Crane, Faculty Adviser

“The Crescent: The Design Behind Its History”
   Natalie Milko
   Mr. Tommy Crane, Faculty Adviser

“What We Care About: A Photo-Voice Literacy Project”
   Alexandria Crowder, Daisy Daniel, Anna Hardin, Rebecca Kluball,
   Rebecca Michael, Carlin Morrison and Lorianna Weathers
   Dr. Paula L. McNeill, Faculty Adviser
“Assessment of Heavy Metal Contamination in the Biota of Four Rivers with Varying Degrees of Human Impact”
Christina G. Duckworth, Pratikkumar K. Patel and Erika L. Schumacher
Drs. Gretchen Bielmyer and Matthew Waters, Faculty Advisers

“Environmental Stress Induces Sex Ratio Changes of Adult Geukensia demissa”
Joseph Hayes and Steve Watts
Dr. Cristina Calestani, Faculty Adviser

“Epiphytic Algal Community Structures within the Rivers of Southern Georgia”
Codie Picariello and Elizabeth Tuttle
Drs. Matthew Waters and Gretchen Bielmyer, Faculty Advisers

“Floristic Inventory of the Lake Louise Field Station, Lowndes County, Georgia”
Joshua Luke Steele
Dr. Richard Carter, Faculty Adviser

“Gut Contents of the Mourning Dove (Zenaida macroura: Columbidae) and the Potential for Seed Dispersal”
Phillip Lowe and Camry Winford
Dr. Richard Carter, Faculty Adviser
“Promoting Scientific Research through Herbarium Digitization at Valdosta State University”
Jessica Marie Bartek and Amy M. Vardeman
Dr. Richard Carter, Faculty Adviser

“The Evolution/Creationism Controversy from the Perspective of Biology Majors”
Deidra Jill Bricker
Dr. Leslie S. Jones, Faculty Adviser

“The Impact of Urbanization on Water Quality in Four Rivers with Varying Degrees of Anthropogenic Disturbance”
Amber Blocker, Aundrea Duncan and Charlie Wiggins
Drs. Gretchen Bielmyer and Matthew Waters, Faculty Advisers

“The Impacts of Watershed Land Use and Environmental Factors on Sediment Transport and Light Attenuation in Four Streams in South Georgia”
James Timothy Ragan and Cliff Hunter Crummey
Drs. Matthew Waters and Gretchen Bielmyer, Faculty Advisers

“The Influence of Salinity and Water Chemistry on the Acute Toxicity of Cadmium to Estuarine Killifish”
Codie Picariello
Dr. Gretchen Bielmyer, Faculty Adviser

“The Relationship of Stream Chemistry and Habitat on the Biodiversity of Stream Macroinvertebrates”
Somuayiro Nwokike, Rebecca Tucker and Benjamin Webster
Drs. Matthew Waters and Gretchen Bielmyer, Faculty Advisers

“Varying Patterns of Spanish Moss (Tillandsia usneoides) Abundance Within and Between Different Forest Communities at the Lake Louise Research Center”
Bianca Stephania Farley
Dr. Corey Devin Anderson, Faculty Adviser
CHEMISTRY

“3D Printing as a Method to Teach Instrumental Analysis”
Pam Brown, Aaron Calvin, Nicholas Fight, Anthony Fino, Ashley Humphries, Brittany Larcart, Chandler Massey, Tysheon McGregor, Brock Merchant, Oscar Otieno, Mehulkumar Patel, Jacob Perry, Jeff Roland and Keyanna Seville
Drs. Thomas Manning and Michael Holt, Faculty Advisers

“A 24 Hour Experiment to Examine Chemical, Physical, and Biological Aspects of Cycles in the Ocean”
Dr. Thomas Manning, Faculty Adviser

“Calibrated Oxidation Potentials of Carotenoids Correlated to Scavenging Ability Toward Free Radicals in a Fenton Reaction”
Jeffrey Roland and Wesley Potter
Dr. A. Ligia Focsan, Faculty Adviser

“Cycloaddition Reactions of Nitrile Oxides and Dienes”
James Connor Lord and Cody Phillips
Dr. Jenny Baxter Vu, Faculty Adviser

“Detection of Nitric Oxide from Endothelial Cells Using Chemiluminescence from Thermostable Luciferase”
Andrew Mock and Natalia Stevens
Drs. Jenifer Turco and Yakov Woldman, Faculty Advisers
“Developing a Computational Antibiotics Textbook for Publication on Amazon Kindle”
Drs. Thomas Manning and Giso Abadi, Faculty Advisers

“Enzymatic Resolution of Chiral Alcohols”
Steve D. Watts and Jesse Prince
Dr. Jenny Baxter Vu, Faculty Adviser

“Metal Organic Framework Materials for Controlled Drug Release”
Somuayiro N. Nwokike
Dr. Tolulope O. Salami, Faculty Adviser

“Modular Building Blocks for Molecular Electronics and Energy Research: Preparation of Organoimido-Functionalized Polyoxotungstates”
Matthew May
Dr. Dean C. Duncan, Faculty Adviser

“NMR, MALDI-TOF-MS, FT-ICR, and Cell Line Studies of Copper-Antibiotic Complexes”
Rachel Mikula, Aaron Calvin and Hilary Lee
Drs. Thomas Manning (VSU), Greg Wylie (UGA), Dennis Phillips (UGA) and Ben Bythell (National High Field Magnet Lab), Faculty Advisers

“NMR, FT-ICR, TOF-MS, and Cell Line Studies of Novel Copper-Cancer Drug Complexes”
Aaron Calvin and Mallory Shannon Clark
Drs. Thomas Manning (VSU), Greg Wylie (UGA), Dennis Phillips (UGA), Ben Bythell (National High Field Magnet Lab) and Fengli Zhang (National High Field Magnet Lab), Faculty Advisers
“Polymer Modification of Iron (III) Oxide Nanoparticulate Films for Photocurrent Generation”
Aaron T. Calvin and Raymond G. Fontanez
Dr. Linda de la Garza, Faculty Adviser

“Reactivity at Metal Oxide Surfaces: Study of Deimidation Reaction Kinetics in an Organoimido-Functionalized Polyoxometalate”
Jared Harris and Tysheon McGregor
Dr. Dean C. Duncan, Faculty Adviser

“Silica as a Medium for the Synthesis of Chiral Imines and Amines”
Merchant Brock, Jennifer Rivera, Camry Winford and Gloria De La Garza
Dr. John T. Barbas, Faculty Adviser

Cody Moncrief, Eric Haas, Elizabeth A. Atkinson, Donna F. Law, Brett Little, Chelsie D. Northcutt, Ryndell Langford, Hilary F. Lee, Gregory A. Jackson, Nicholas Fight and Jenna L. Lippincott
Drs. Thomas Manning and Brian Gerber, Faculty Advisers

“Synthesis, NMR Assignments, Mass Spec, and National Cancer Institute Cell Line Studies”
Rachel Robertson, Tysheon McGregor, Matt May and J. Lance Perry
Drs. Thomas Manning (VSU), Greg Wylie (UGA), Dennis Phillips (UGA), Ben Bythell (National High Field Magnet Lab) and Fengli Zhang (National High Field Magnet Lab), Faculty Advisers

“Synthesis of Boronic Esters on Silica, Molecular Sieves and Anhydrous Sodium Sulfate”
Anupa Gupta and Ingram Jermila
Dr. John T. Barbas, Faculty Adviser
“Viscosity, Conductivity, Specific Heat and Colligative Properties of Alcohols”
Drs. Thomas Manning and Aurora Perez Gramatges (PUC-Rio), Faculty Advisers

COMMUNICATION ARTS

“Determining the Effectiveness of ELM on Recruiting Members for an Organization through Social Media”
Erin Dobbins
Dr. Michael Eaves, Faculty Adviser

“Elaboration Likelihood Model: How Persuasion Can Be Utilized to Accurately Predict an Upset in the NFL ‘Against All Odds’”
Anthony DeFelice
Dr. Michael Eaves, Faculty Adviser

“Linguistic Difficulties of International Students at VSU”
Grace Delacruz
Dr. Michael Eaves, Faculty Adviser
“Computerized Detection of Language Delay in a Child with Autism Spectrum Disorder”
Chelsea Bartholomew
Dr. Jade Coston, Faculty Adviser

“Does Expressive Language Ability Correlate with Rate of Communication in Young Children?”
Christina Matta, Hannah Anderson, Ashley Camon and Jade Dampier
Dr. Jade Coston, Faculty Adviser

“Long-Term Memory Retention of Common Words Spoken in Hebrew by CSD Students”
Hannah Elizabeth Leicher
Drs. Ruth Renee Hannibal and Crystal Randolph, Faculty Advisers

“Students’ Knowledge of Braille Literacy in the Field of Communication Disorders”
Heather Ward
Drs. Ruth Renee Hannibal, Crystal Randolph, Corine Myers-Jennings and James Archibald, Faculty Advisers

“The Exploratory Behaviors of Normally Developing Children”
Shaddai Nicole Wiggs
Dr. Matthew Carter, Faculty Adviser

EARLY CHILDHOOD AND SPECIAL EDUCATION

“Bible in Education”
Eric Brantley
Dr. Lucia Lu, Faculty Adviser
“Bullying”  
Cody Darr  
Dr. Lucia Lu, Faculty Adviser

“Child Abuse in the United States”  
Keegan Puia  
Dr. Lucia Lu, Faculty Adviser

“Child Abuse in the United States”  
Rebekah Swilley  
Dr. Lucia Lu, Faculty Adviser

“‘Chiraq’”—The Fallen City of Chicago”  
Lorenzo Washington  
Dr. Lucia Lu, Faculty Adviser

“Deforestation”—Environmental Issue”  
Stephen B. DeFelice  
Dr. Lucia Lu, Faculty Adviser

“Dr. Martin Luther King, Jr.—My Hero”  
Brynn Rone  
Dr. Lucia Lu, Faculty Adviser

“Dropout Nation”  
DeJuan Green  
Dr. Lucia Lu, Faculty Adviser

“Gypsies the Wandering People”  
Stephanie Hastings  
Dr. Lucia Lu, Faculty Adviser
“Homeless People in the United States”
Halie Imler
Dr. Lucia Lu, Faculty Adviser

“Immigrant Workers in the United States”
Joshua Abbott
Dr. Lucia Lu, Faculty Adviser

“Jazz Music”
Erin Walsh
Dr. Lucia Lu, Faculty Adviser

“People Living in Poverty”
Ashley January
Dr. Lucia Lu, Faculty Adviser

“People of Vanity”
Allante Fairley
Dr. Lucia Lu, Faculty Adviser

“So What Is Linsanity?”
Larry Emery
Dr. Lucia Lu, Faculty Adviser

“Students of Handicap in Special Education”
Caitlyn Calhoun
Dr. Lucia Lu, Faculty Adviser
“The Different Version of the Gypsies”
Julianna Westray
Dr. Lucia Lu, Faculty Adviser

“The Image of Africa”
Tracy M. Powell
Dr. Lucia Lu, Faculty Adviser

“Tiger Moms”
Mariah Hollis
Dr. Lucia Lu, Faculty Adviser

“Who Are the Taino People?”
Toi Allen
Dr. Lucia Lu, Faculty Adviser

ENGLISH

“A History of Pompeii and Papa Beck”
Jessica Jarrell
Dr. Deborah Hall, Faculty Adviser

“Why I Write”
Brooke McKinney
Dr. Deborah Hall, Faculty Adviser

KINESIOLOGY AND PHYSICAL EDUCATION

“What’s Happening in the Gym?: An Analysis of Physical Educators’ Teaching Behaviors”
Savannah L. Smith, Russell Woske and Kevin Simpson
Drs. Matthew A. Grant and Sonya L. Sanderson, Faculty Advisers
“A Comparison of Prototype Smart Cars”
Dalton Gurley
Dr. Chunlei Liu, Faculty Adviser

“A Survey of Computer Assisted Driving”
Willie Lawrence, Edward Lawson and Kinard Thomas
Dr. Chunlei Liu, Faculty Adviser

“A Survey of Self-Driving Cars”
David Robert Gully
Dr. Chunlei Liu, Faculty Adviser

“Baking Raspberry Pi”
Sherri Burks and Alex Peterman
Dr. Sudip Chakraborty, Faculty Adviser

“Clustering Marketing Data Using the Mahalanobis Distance”
Max Wang
Dr. Haiquan Chen, Faculty Adviser

“E-Commerce Fraud Schemes and Their Prevention”
Viktor Officer Graczyk
Dr. Chunlei Liu, Faculty Adviser

“Growth of Usefulness in Educational Apps for Mobile Devices”
Lenzee E. Gillette
Dr. Chunlei Liu, Faculty Adviser
“Let Me Guess Your Mind: User Activity Visualization and Prediction”
Travis Gibson, Sherri Burks, Robert Jenkins and Randy French
Dr. Haiquan Chen, Faculty Adviser

“Shaping the Way We Consume Entertainment”
Jovan Van Dyke and Ethan Rogers
Dr. Chunlei Liu, Faculty Adviser

“Survey of Wireless Technology for Near Field Communication”
Taray Eady and Cameron Thomson
Dr. Chunlei Liu, Faculty Adviser

“The Wichmann and Hill Generator and Floyd’s Algorithm:
Determining Efficiency”
Jacob Benoit
Dr. Jin Wang, Faculty Adviser

MODERN AND CLASSICAL LANGUAGES

in the USA and Spain”
Ja’Marrius Thomas
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“An Analysis of Wages and Expenses of Doctors in the United States
and Spain”
James Miller
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“An Examination of Spanish and U.S. Teacher Beliefs Regarding the
Instruction of Grammar in the Foreign Language Classroom”
Hilaria Taft
Dr. Victoria Russell, Faculty Adviser
“Availability and Delivery of Healthcare by Federally Funded Programs to the Elderly in the United States and Spain”
Elise Dawkins
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“Compliance of Life Choices for the Incapacitated”
Joshua Murray
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“¿CÓMO ESTÁ EL MÉDICO?: A Comparison of the Quality of Healthcare in Spain and the United States”
Tamalonie Thomas
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“Comparing the Amount of Target Language Instruction in U.S. and Spanish Classrooms”
Kristina Wingate
Dr. Victoria Russell, Faculty Adviser

“Differing Speech Impediments in the Spanish and English Languages”
Caitlin Elizabeth Reagin
Dr. Grazyna Walczak, Faculty Adviser

“Examining Federally Funded Healthcare Programs in the USA and Spain”
Rebecca Clark
Dr. Adolfo Carrillo Cabello, Faculty Adviser
“Financial Duties Post Death for Inmates: A Comparison of Cadiz, Spain and Lowndes County”
Katie McLoughlin and Jordyn Holzer
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“Investigating Articulation Disorders in Spain”
Morgan Reynolds and Sarah Kate Clark
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“Measures to Reduce Perioperative Risks of Obstructive Sleep Apnea”
Blanca Hernandez
Dr. Adolfo Carrillo Cabello, Faculty Adviser

“The National Standards and Foreign Language Teachers: A Comparative Study Between the United States and Spain”
Sarah Allison
Dr. Victoria Russell, Faculty Adviser

“The Role of Grammar Instruction and Its Effect on Teaching Methods”
Ashley Jacobs
Dr. Victoria Russell, Faculty Adviser

**Native American Studies**

“Alcoholism: A Social Examination of the Pre- and Post-Colonial Native American”
Angel Nicole Hardy
Dr. Lavonna Lovern, Faculty Adviser

“Eugenics and Native American Women: Legal Genocide”
Roderica Keisha Flucas
Dr. Lavonna Lovern, Faculty Adviser
“Preserved But Not Undisturbed: The Native American Female”
Linda Morrison
Dr. Lavonna Lovern, Faculty Adviser

“Sexual Abuse of Native American Women”
Alexis Raye Carter
Dr. Lavonna Lovern, Faculty Adviser

Nursing and Health Sciences

“End-of-Life Care and Moral Distress”
Jacquelyn Gillaspy, Zsuzsanna Bartha, Joseph Pyles,
Baily Korb and DeErika Williams
Dr. Maura Schlairet Faculty Adviser

“Undergraduate Nursing Research and Future Success”
Britney Hadsock, Megan Moss, Becky Shell, Shelby Elder
and Eve Macgonigle
Dr. Maura Schlairet, Faculty Adviser
PHILOSOPHY AND RELIGIOUS STUDIES

“Differences Between Classical and Modest Foundationalism”
Robert Eric Spivey
Dr. Lavonna Lovern, Faculty Adviser

“Dretske’s Perception: Causal Analysis Versus Informational Analysis and Phenomenal Externalism”
Robert Dylan Hodge
Dr. Lavonna Lovern, Faculty Adviser

“Feminist Zen and the Bodhisattva Path”
Susan Leigh Jones
Dr. Michael Stoltzfus, Faculty Adviser

“Jewish, Greco-Roman and Christian Influence on the Infancy Gospel of Thomas”
Andrew Oaks
Dr. Lily Vuong, Faculty Adviser

“Mindfulness Meditation in Intimate Relationships”
Tanner Tai Blue
Dr. Michael Stoltzfus, Faculty Adviser

“Sexual Desire: A Philosophical Approach”
Pamela A. Johnson
Dr. Lavonna Lovern, Faculty Adviser

“The Feminist Theories of Art”
Kaylan Faith Hand
Dr. Christine James, Faculty Adviser

“The ‘Prostitute’ Uncovered”
Sydney Beckmann
Dr. Lily Vuong, Faculty Adviser
“A New Method for Demonstrating that the Charge of an Electron is Quantized”
Steven K. Terry
Dr. Frank Flaherty, Faculty Adviser

“Coring and Sampling of Soils from Ossabaw Island”
Megan D. Hunnicutt
Dr. Donald M. Thieme, Faculty Adviser

Karl Pearce
Dr. Hasson M. Tavossi, Faculty Adviser

“Effect of Metal Surfaces on Plasma Chemistry in a Commercial Grade Plasma Etching System”
Arthur Bui
Dr. Dereth J. Drake, Faculty Adviser

“Engineering Mechanics: History and Significance”
Lauren Hale, Carlos Ponce, Minh Tran and Byung Kim
Dr. Barry Hojjatie, Faculty Adviser

“Fracture Analysis in the Oligocene Age Suwanee Limestone of North Florida”
William Simmons
Dr. Mark Groszos, Faculty Adviser

“GPR Investigations on Jekyll Island”
Cliff Yearta
Dr. Donald M. Thieme, Faculty Adviser
“Ground Penetrating Radar Investigation of a Sand Dune”
Rebecca M. Lenz
Dr. Can Denizman, Faculty Adviser

“Petrographic Analysis of Bedrock Limestone Along the Suwanne River, Suwannee County, Florida”
Justin D. Harrison
Dr. Mark Groszos, Faculty Adviser

“Researching and Developing a Climate Change Action Plan for Valdosta”
Rodney Brown, Shelby Dunbar, Rynada Folsom, Christopher Glenn, Nathaniel Jones, Gabriella McDonald, Richard Miller, Karen Mitchell, Charles Nimmo, Andrew Overcash, Rebecca Tucker, Thomas Turner, Malcolm Warren and Tanisha Williams
Dr. Jia Lu, Faculty Adviser

“Sea Surface Temperature Trends in the Northern Gulf of Mexico Between 1921 and 2012”
John Vincent Clarke III
Dr. Jason Allard, Faculty Adviser

“Study of Sand Dunes on Mars”
Robert Butler
Dr. Martha Leake, Faculty Adviser

“Water Chemistry Analysis of Surface—Groundwater Interactions of the Withlacoochee Sink Area”
Eric Emmett
Dr. Can Denizman, Faculty Adviser
POLITICAL SCIENCE

“Alabama: A Southern Tradition”  
Kenneth Donte Holiday  
Dr. James LaPlant, Faculty Adviser

“Louisiana: Not Just Another Southern State”  
Margaret Maynard  
Dr. James LaPlant, Faculty Adviser

PSYCHOLOGY AND COUNSELING

“Effects of Participant Knowledge of Researcher Characteristics”  
Crystal Johnston  
Dr. Jeremy Tost, Faculty Adviser

“Effects of the Media’s Portrayal of Size on Body Satisfaction”  
Anna-Leigh Powell  
Dr. Jeremy Tost, Faculty Adviser

“Public Perception of the Dairy Industry Based on Media Publications and Area a Person was Raised”  
Thomas Jacob Hines  
Dr. Jeremy Tost, Faculty Adviser

“Self-Awareness and Anxiety”  
James Ransom Whelan  
Dr. Jeremy Tost, Faculty Adviser

“The Effects of a Positive Cognitive Processing Behavior Modification Plan on Self-Image”  
Kaylan F. Hand  
Dr. Jeremy Tost, Faculty Adviser
“The Effects of a Positive Self Talk Behavior Modification Plan on Anxiety”
Lisa Wiltsee
Dr. Jeremy Tost, Faculty Adviser

“The Effect of Contemplation on Self-Control”
Samantha Kiley
Dr. Jeremy Tost, Faculty Adviser

“The Effects of Gender and Social Networking on Desire for Face-to-Face Interactions and Mood”
Brenda Kay Brunston
Dr. Jeremy Tost, Faculty Adviser

“The Effects of Noise on Concentration and Mood”
Kaylan F. Hand
Dr. Jeremy Tost, Faculty Adviser

SOCIOLOGY, ANTHROPOLOGY AND CRIMINAL JUSTICE

“A Comparison of American and Taiwanese Police”
Matthew Towe
Dr. Wilson Huang, 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 2013-2014

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