



VALDOSTA STATE UNIVERSITY
UNDERGRADUATE RESEARCH COUNCIL



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FIRST ANNUAL

CAMPUS - WIDE

SYMPOSIUM *on*
UNDERGRADUATE RESEARCH

STUDENT UNION BALLROOM AND THEATRE

April 5-6, 2012

THURSDAY, APRIL 5, 2012

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

MODERATOR: DR. GRETCHEN BIELMYER, DEPARTMENT OF BIOLOGY

Welcome: Dr. Alfred F. Fuciarelli
Assistant Vice President for Research and Dean of the Graduate School

“Sylvia Plath’s Detachment from Motherhood as seen in *Ariel: The Restored Edition*”

Meagan C. Ellis
Department of English
Dr. Nathan Elliott, Faculty Adviser

“Metal Accumulation and Sublethal Effects in the Sea Anemone, *Aiptasia pallida*, after Waterborne Exposure to Metal Mixtures”

Jonathan R. Brock
Department of Biology
Dr. Gretchen K. Bielmyer, Faculty Adviser

“A Separate Peace: An Introduction to the Gullah-Geechee Nation”

David J. Gregors
Department of Philosophy and Religious Studies
Dr. Lavonna Lovern, Faculty Adviser

“The New Deal’s Farm Security Administration Creative Writing”

Amber Blocker
Department of Art and the Honors College
Drs. Paula McNeill and Ofélia Nikolova, Faculty Advisers

“Appalachian Dialect and Music”

Brittany S. Paxton
Department of Sociology, Anthropology, and Criminal Justice
Dr. Marvin Smith, Faculty Adviser



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

MODERATOR: DR. NATHAN ELLIOTT, DEPARTMENT OF ENGLISH

“Social Information Processing Theory and Computer-Mediated Communication”

Paul Drewitz

Department of Communication Arts

Dr. Michael Eaves, Faculty Adviser

“Will the World Be Able to Feed Itself in the Foreseeable Future?”

Jennifer Rose Stakich

Department of Political Science and the Honors College

Drs. Carol M. Glen and Ofélia R. Nikolova, Faculty Advisers

“*No Pasó Nada: Un Analisis Literario*”

Savannah E. Spivey

Department of Modern and Classical Languages

Dr. Susan Wehling, Faculty Adviser

“A Synergistic Paradigm of Teaching”

Andrew Tatler-Burgess

Department of Psychology and Counseling and the Honors College

Drs. Julie Troyer and Ofélia Nikolova, Faculty Advisers

“Pragmatic Social Contract Theory”

Kelly L. Strickland

Department of Philosophy and Religious Studies

Dr. Ari Santas, Faculty Adviser



1:00 P.M. – 2:30 P.M. PAPER SESSION III (STUDENT UNION THEATRE)

MODERATOR: DR. TOM AIELLO, AFRICAN AMERICAN STUDIES

“Gunning for Votes: An Analysis of Voting Behavior in the Georgia General Assembly”

S. Kathryn Grant

General Studies and the Honors College

Drs. James LaPlant and Ofélia R. Nikolova, Faculty Advisers

“Cancer Drugs from the Sea: A Comprehensive View”

Ryenne N. Ogburn, Kaitlyn V. Ledwitch, and Jeramy Baum

Department of Chemistry

Dr. Thomas Manning, Faculty Adviser

“Cornplanter’s Diplomatic Strategy: From the American Revolution to the Treaty of Canandaigua”

Robert Julian Rodriguez

Department of History

Dr. Dixie Haggard, Faculty Adviser

“The Feminist Case for Dr. Jekyll and Mr. Hyde”

Laura N. Hanna

Department of English

Dr. Byron Brown, Faculty Adviser



3:00 P.M. – 4:30 P.M. PAPER SESSION IV (STUDENT UNION THEATRE)

MODERATOR: DR. MIRYAM ESPINOSA-DULANTO, DEPARTMENT OF MODERN AND
CLASSICAL LANGUAGES

“Are the Georgia Official Spelling Bee Rules Fair?”

Alexandra Lily Wang

Department of Mathematics and Computer Science

Dr. Krishnendu Roy, Faculty Adviser

“Springboarding MENA: Economic Success in the Middle East and North Africa”

Felina B. Duncan

Department of Marketing and Economics

Dr. Zulal S. Denaux, Faculty Adviser

“Male Prerogative, Media, and Divided Parliament: The Fight and Resistance to Raising of the
Age of Consent in England, 1872-1885”

William L. Gay

Department of History

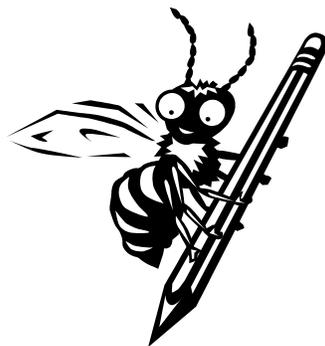
Dr. Mary Block, Faculty Adviser

“The Narrative Photographs of Dorothea Lange”

Julie A. Skinner

Department of Art

Dr. Paula McNeill, Faculty Adviser





**5:00 P.M. – 6:00 P.M. SPOTLIGHT ON THE ARTS: STUDENT DEBATE
(STUDENT UNION THEATRE)**

MODERATOR: DR. MICHAEL EAVES, DEPARTMENT OF COMMUNICATION ARTS

Debate Topic: The United States Federal Government Should Lower Gas Prices

Proposition: John B. Desselle and Caty E. Quenga

Opposition: Keven J. Rudrow and Avius N. Poole



6:00 P.M. – 6:50 P.M. POSTER SESSION I AND RECEPTION (STUDENT UNION BALLROOM)

7:00 P.M. PLENARY SESSION (STUDENT UNION THEATRE)

Welcome: Dr. Alfred F. Fuciarelli
Assistant Vice President for Research and Dean of the Graduate School

Remarks: Dr. Louis Levy
Interim President

Dr. Phillip Gunter
Provost and Vice President for Academic Affairs

Invited Address on *Defining Moments*

Professor Michael T. Schmidt
Department of Art



Michael Schmidt received his BFA from the University of Wisconsin – Whitewater in 1998, studying Graphic Design and Art History. He received his MFA from Edinboro University of Pennsylvania in 2001 in Ceramics and Sculpture. Much of his work involves themes of use, function, and a sense of history. Michael has exhibited his work at over 130 international, national, and regional events. Michael is a Professor of Art at Valdosta State University where he has taught ceramics and foundations for 11 years.

Michael encourages his students to exhibit their work at VSU as well as other professional venues. His advanced undergraduate students have gone onto graduate programs, residency positions, or traveled abroad. Professor Schmidt’s students push technical boundaries, others challenge intricate or sensitive concepts and communicate in a provocative or eloquent visual exhibition of finished works.

Mathew McConnell, resident artist in Auckland, New Zealand, credits much of his success to the time he spent studying under Professor Schmidt at VSU. “I don’t know if I would have made it without Michael. I really, sincerely believe that Michael was the biggest single factor in the period of my life when I was just forming an understanding of what it means to be an ‘artist.’”

Student Perspectives on Undergraduate Research:

Jeremy Baum introducing Ryenne N. Ogburn
Department of Chemistry

Matthew R. Portwood introducing William L. Gay
Department of History



Ryenne N. Ogburn

Performing research under Dr. Manning and the VSU undergraduate Chemistry QEP program has presented invaluable opportunities. Research projects encompassed the use of green technology, performing marine natural product synthesis, and increasing current cancer drug efficacy through the use of metal-binding. Works through these venues have resulted in two publications, co-authoring of a patent, presentation of research data through multiple professional symposiums and co-authoring a submittal of a novel cancer drug to the National Cancer Institute. Exposure to and involvement in advanced research has impressed upon me the opportunities that chemists have to improve cancer treatment, develop affordable/better/cleaner technologies and unlock the unlimited possibilities of product development using non-toxic and renewable resources. Overall, this combination of hard work and research experience made me a top candidate for admission to multiple analytical chemistry PhD programs on the East coast. I look forward to attending Duke University in the fall and passing on the same legacy to undergraduate students there.

William L. Gay will graduate in May 2012 with a B.A. in history. Through his undergraduate career, he has presented at Valdosta State University's Council of Undergraduate Research and at regional conferences on topics ranging from British cultural history to U.S. medico-military history. In 2011, he published in Valdosta State University's undergraduate research journal, *Omnino*, and participated in the History Department's QEP trip to the United States Military History Institute in Carlisle, Pennsylvania. He plans to pursue a Ph.D. in transnational medical history. He will begin his graduate studies at Villanova University in Fall 2012.



William L. Gay

Friday, April 6, 2012

8:00 A.M. – 9:30 A.M. PAPER SESSION V (STUDENT UNION THEATRE)

MODERATOR: DR. JUAN WALKER, DEPARTMENT OF MIDDLE, SECONDARY, READING,
AND DEAF EDUCATION

“Using LENA™ with a Child with Cochlear Implants: A Case Study”

Sarah M. Lively

Department of Communication Sciences and Disorders

Drs. Jade Coston, Ruth Stonestreet, and Corine Myers-Jennings, Faculty Advisers

“Living in Neverland: The United States’ 15th Infantry Regiment in China, 1912-1938”

Joshua R. Herrin

Department of History

Dr. John Dunn, Faculty Adviser

“The Phylogeny of *Asimina* and *Deeringothamnus*”

Brandi M. Griffin and Joshua L. Steele

Department of Biology

Dr. Catherine Bush, Faculty Adviser

“Creative Writing from Historical Photographs”

Katlyn P. Tucker

Department of Art and the Honors College

Drs. Paula McNeill and Ofélia Nikolova, Faculty Advisers

“Indigenous Philippine ‘Beginning’ Knowledge”

Pamela Johnson

Native American Studies

Dr. Lavonna Lovern, Faculty Adviser



**9:30 A.M. – 10:30 A.M. POSTER SESSION II AND REFRESHMENTS WITH THE PRESENTATION OF
BEST POSTER AWARDS BY DEAN FUCIARELLI
(STUDENT UNION BALLROOM)**

10:30 A.M. – 12:00 P.M. PAPER SESSION VI (STUDENT UNION THEATRE)

MODERATOR: DR. MARY BLOCK, HISTORY DEPARTMENT

“‘Ladies, Man Up!’– An Ethnographic Study of Girls’ Basketball”

Danielle Jordan

Department of Sociology, Anthropology, and Criminal Justice

Dr. Matthew Richard, Faculty Adviser

“*Don Catrín de la Fachenda* and the Mexican Drug War”

Yannick Gill

Department of Modern and Classical Languages

Dr. Ericka Parra, Faculty Adviser

“‘Confusion Beyond Imagination’: U.S Army Chinese Language Training in
Republican Era China”

Matthew R. Portwood

Department of History

Dr. John Dunn, Faculty Adviser

“Bad Romance: How the Interactions between the Cults of Yahweh and Asherah Shaped
Jewish Attitudes towards Women”

Matthew Thomas Rivera

Department of Philosophy and Religious Studies and the Honors College

Drs. Lily Vuong and Ofélia Nikolova, Faculty Advisers

“Exchange Rate Volatility and Trade Flows: The EU and Turkey”

Rebecca R. Falks

Department of Marketing and Economics

Dr. Zulal S. Denaux, Faculty Adviser



**12:00 P.M. – 1:00 P.M. PIZZA LUNCH FOR STUDENTS AND FACULTY SPONSORS
(STUDENT UNION BALLROOM)**



Alvinette Patterson

I am Alvinette Patterson and I am from Queens, New York. I recently graduated from Anthropology and Sociology with a concentration in Applied and Clinical Sociology major and a minor in Women's and Gender Studies. Something interesting about me: I have produced *The Vagina Monologues* for two years and I have acted in *The Monologues* for three years. This past summer I spent three weeks conducting ethnographic research on the El Paso, Texas - Juarez, Mexico border as part of a QEP sponsored Women's and Gender Studies Borderland Cultural Immersion Experience. I was able to learn how gender, race, and nationality impacts immigration issues. This was a life changing experience and has forever changed the way I view the world. If there is a rally or protest that wants to bring change on campus and beyond, I always want to be part of them! I am currently applying to the Marriage and the Family Therapy graduate program so I can take the next step in becoming a Sex Educator.

Interior Design is a focused career major with a competitive job search after graduation. Becoming a part of the QEP allowed for me to explore a different side of interior design and has opened up a new range of job opportunities. While focusing on assisted living facilities during my research, I have come to the understanding that design can be used to better the lives of older adults in the future. Not only is an interior designer uniquely qualified to create functional, livable environments for older adults; we are also able to produce a safe and healthy atmosphere that can enhance quality of life. After graduation, I plan to choose a career path that focuses on the improvement of interior design relevant to health care facilities and alternate housing. It will always be in my interest to use what I learned during my research in the QEP to help me with future design challenges.



Alden York

1:00 P.M. – 2:30 P.M. PAPER SESSION VII (STUDENT UNION THEATRE)

MODERATOR: DR. OFÉLIA NIKOLOVA, THE HONORS COLLEGE

“The Leslie Matrix and Female Population in the United States”
Brittney Nelson and Antonija Tangar
Department of Mathematics and Computer Science
Drs. Denise T. Reid and José A. Vélez-Marulanda, Faculty Advisers

“Effects of 2008 Financial Meltdown on Borrowers of Micro-financing Outlets”
Brian J. Leverett
Department of Accounting and Finance
Dr. Elvan Aktas, Faculty Adviser

“Cherokee Removal”
Charles Pavey
Native American Studies
Dr. Lavonna Lovern, Faculty Adviser

“Colombia’s Struggled History: Politics, Drugs, the Constitution and Human Rights”
Matthew Vanacore
Department of Political Science
Dr. Marc Pufong, Faculty Adviser



3:00 P.M. – 4:30 P.M. PAPER SESSION VIII (STUDENT UNION THEATRE)

MODERATOR: JESSICA GOLDSMITH, DEPARTMENT OF ART

“Social and Circulatory Spatial use in Assisted Living Facilities”

Alden York
Department of Art
Jessica Goldsmith, Faculty Adviser

“The Logic Behind Design”

Shannon M. Dekle
Department of Art
Jessica Goldsmith, Faculty Adviser

“Privacy in Institutional Living: Student Dorms and Assisted Living Facilities”

Julie M. Evans
Department of Art
Jessica Goldsmith, Faculty Adviser

“Can a Kitchen Design Last a Lifetime?”

Natalia A. Panagopoulos
Department of Art
Jessica Goldsmith, Faculty Adviser

“Transitions from Student Dormitories and Assisted Living Facilities to Institutionalized Living Facilities”

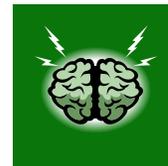
Brooke H. Taylor
Department of Art
Jessica Goldsmith, Faculty Adviser

“Companionship Matters”

Asea M. Thompson
Department of Art
Jessica Goldsmith, Faculty Adviser



Posters



BIOLOGY

“Change in Students’ Attitudes Toward Evolution”

Kassandra E. Brantley

Dr. Leslie S. Jones, Faculty Adviser

“Interleukin Receptors near the Suprachiasmatic Nucleus”

David A. Garcia

Dr. Robert Gannon, Faculty Adviser

“Metal Accumulation in Two Species of Seaweed after Waterborne Metal Exposure”

Sasha L. Booth

Dr. Gretchen Bielmyer, Faculty Adviser

“The Environmental History of Banks Lake”

Kimberly Nicole Edwards and Shannon Clark

Drs. Matthew Waters and Ofélia Nikolova, Faculty Advisers

“The Influence of Salinity on Acute Toxicity to the Euryhaline Fish, *Kryptolebias marmoratus*”

Aaron C. Albritton-Ford and Benjamin T. Harper

Dr. Gretchen K. Bielmyer, Faculty Adviser

CHEMISTRY

“A Facile One-Pot Synthesis of Chiral Amines on Silica”

Robert Rozier, Ivan L. Furtado, and Antonija Tangar

Dr. John T. Barbas, Faculty Adviser

“Copper (II) Cation as a Drug Delivery Mechanism: Taxol and Quinine”

Kaitlyn V. Ledwitch and Ryenne N. Ogburn

Drs. Thomas Manning, Dennis Phillips, and Greg Wylie, Faculty Advisers

“Cotton Balls as Mini-Aquariums for Marine Microbes”
Jatin I. Patel and Jon Wyche
Drs. Thomas Manning and Jim Nienow, Faculty Advisers

“Designing and Building Remote Operated Vehicles (ROV) to Hunt for
Marine Natural Products”
Jeremy Baum, Riland Jones, J. Alex Etheridge, and Ted F. West III
Dr. Thomas Manning, Faculty Adviser

“Improving the Efficacy of Amine Containing Medicines: A Computational Approach”
Jarrett M. Darrah, Aaron C. Ford, Sierra Marable, Sadie E. Paulk, and Kaitlyn V. Ledwitch
Dr. Thomas Manning, Faculty Adviser

“Ionization Suppression by Cations in Electrospray Ionization-Mass Spectrometry in Analysis of
a Marine Natural Product”
Ryenne N. Ogburn and Becky Parker-Hall
Dr. Thomas Manning, Faculty Adviser

“Kinetics and Thermodynamics of Solvent Evaporation: A Chemical Education Experience”
Jeremy Baum, Aletrius Booker, William Burch, William Capland, Melan DeBese, Lori B.
Griner, Tiffanie Guy, Riland Jones, M. Merrick Murphy, Mychal Outlaw, Jatin I. Patel, Pujja
Patel, Christopher A. Pyles, Stephanie Rowe, Tony Sampson, Ted F. West III, and Paul Williams
Dr. Thomas Manning, Faculty Adviser

“Measuring Permeability of Lipid Membranes to H^+ and Acids”
Carolyn B. Newham and Pratikkumar P. Patel
Dr. Yakov Y. Woldman, Faculty Adviser

“Photocurrent Generation Using Different Electron Donors and Eneiol Ligands on Fe_2O_3
Nanoparticulate Films”
Olivia Rachel Law
Dr. Linda de la Garza, Faculty Adviser

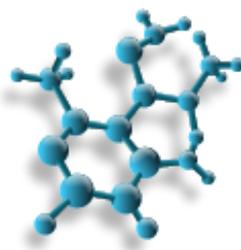
“Production of Aza-Fullerenes: Synthesis, Separation, and Detection”
Tia M. Bishop, William S. Burch, Sonal P. Desai, Joseph A. Etheridge, J. Kameron Farrow,
Ivan L. Furtado, Lori B. Griner, Dustin C. Jenkins, Thomas K. Leggett, Christopher L. Louis,
Amanda L. Mays, Taylor P. Middlebrooks, M. Merrick Murphy, Ryenne N. Ogburn,
Christopher A. Pyles, Ted F. West III, and Jonathan J. Wyche
Dr. Thomas Manning, Faculty Adviser

“Synthesis of Bryostatins and other Natural Products Using a Sand-based Microbial System”
Ryenne N. Ogburn, Jatin I. Patel, Kaitlyn V. Ledwitch, Trevor Lawton Davis, and Jon Wyche
Dr. Thomas Manning, Faculty Adviser

“Taxol: Efficacy Against Oral Squamous Cell Carcinoma”
Jodi Cox, Kaitlyn V. Ledwitch, and Ryenne N. Ogburn
Drs. Donna Gosnell and Thomas Manning, Faculty Advisers

“Towards the Synthesis of Layered Cationic Materials for Catalysis”
Cienna A. Baptiste and Frankie A. Stackhouse
Dr. Tolulope O. Salami, Faculty Adviser

“World Health Organization’s List of Essential Medicines: Springboard for Educational
and Research Projects”
Kaitlyn V. Ledwitch, Ryenne N. Ogburn, and Jarrett M. Darrah
Dr. Thomas Manning, Faculty Adviser



EARLY CHILDHOOD AND SPECIAL EDUCATION

“Bullying in School Setting”
Zachary J. Johnston
Dr. Lucia Lu, Faculty Adviser

“Children’s Literature for Mathematical Proficiency”
Andrea L. Wright
Dr. Lucia Lu, Faculty Adviser

“Dr. Seuss Will Go to Finland for ESL Children”
Johanna Manninen
Dr. Lucia Lu, Faculty Adviser

“Exploring the Cherokee from *The Education of Little Tree*”
Cristy L. Milligan
Dr. Lucia Lu, Faculty Adviser

“Issues in Child Abuse”
Jamia Reese
Dr. Lucia Lu, Faculty Adviser

“Manga Across the Curriculum”
Alex Cameron
Dr. Lucia Lu, Faculty Adviser

“Semiotics for Early Literacy in Process Writing”
Mary E. Sheeley and Sarah D. Zipperer
Dr. Lucia Lu, Faculty Adviser

“The Homeless Children in the US”
Rakeeta Laird
Dr. Lucia Lu, Faculty Adviser

“The Significance of Shel Silverstein on Early Literacy”
Jessica Fitzpatrick
Dr. Lucia Lu, Faculty Adviser

“The Story of the Trail of Tears”
Kasey Combs
Dr. Lucia Lu, Faculty Adviser



HONORS

“Peanut Seed Assay”
Hayley Franklin
Drs. Emily Cantonwine and Ofélia Nikolova, Faculty Advisers

“Stigma and Quarantine: The Social Issues of the Modern Tuberculosis Epidemic”

Matthew Thomas Rivera

Drs. Melanie S. Byrd and Ofélia Nikolova, Faculty Advisers

“What Factors Motivate College Student’s Leisure and Recreation Choices?”

Savannah E. Spivey

Drs. Steven Kohn and Ofélia Nikolova, Faculty Advisers

“Will China Become the Next Superpower?”

Kenneth Chase Kelly

Drs. Carol Glen and Ofélia Nikolova, Faculty Advisers

“Women as Partners in *The Odyssey* and *The Aeneid*”

Erica L. Garcia

Drs. Maren Clegg-Hyer and Ofélia Nikolova, Faculty Advisers

KINESIOLOGY AND PHYSICAL EDUCATION

“Exercise for Cancer Survivors and Caregivers in Valdosta, Georgia”

John P. Willner, Amanda Boone, Samantha Murphy, and Joshua Gervacio

Dr. Tom Darling, Faculty Adviser



MATHEMATICS AND COMPUTER SCIENCE

“Bezier Cubic Curves”

Joseph Michael Cauley and Chelsie M. Norton

Dr. José A. Vélez-Marulanda, Faculty Adviser

“Green Keys”

Jonathon T. Ramey and Andrew Stephen Lewis

Dr. Zhiguang Xu, Faculty Adviser

“Proactive Remote Tutoring”
William C. Rousse and Kai Tillman
Dr. Jam Jenkins, Faculty Adviser

MIDDLE, SECONDARY, READING, AND DEAF EDUCATION

“Interdisciplinary Unit Interactive Display Board”
Judy Branch, Justin E. Collins, Arin Patterson, and Jennifer J. West
Dr. Juan Walker, Faculty Adviser

“Teaching with a Theme: Kenya”
Kris D. Henderson, Marie D. Browne, Quinton Finn, and Michael Clapper
Dr. Juan Walker, Faculty Adviser

NATIVE AMERICAN STUDIES

“Cacao in Central America”
Sydney Lynn Haire
Dr. Lavonna Lovern, Faculty Adviser

“Indigenous Technology in Central and South America”
Tony Collins
Dr. Lavonna Lovern, Faculty Adviser



“Native American Religions in the Southeast”
Chase Landon Studstill
Dr. Lavonna Lovern, Faculty Adviser

“The ‘Indian Problem’ and the Dawes Act of 1887”
Janene E. Bessent
Dr. Lavonna Lovern, Faculty Adviser

NURSING

“Manipulation by Prison Inmates as it Pertains to Forensic Nurses: An Undergraduate’s Perspective”

David S. Shoe

Drs. Anita G. Hufft and James P. Humphrey, Faculty Advisers

PHILOSOPHY AND RELIGIOUS STUDIES

“An Examination of Christian and Hindu Trinities”

Sydney Lynn Haire

Dr. Lavonna Lovern, Faculty Adviser

“Barren Women and Sibling Rivalry: A Study of Rachel and Leah in Biblical Narrative”

Brenna E. Lockaby

Dr. Lily Vuong, Faculty Adviser



“Depictions of Women in the Hebrew Bible”

Colin Law

Dr. Lily Vuong, Faculty Adviser

“Norse Neopaganism: A Return to Spiritual Roots or an Excuse for Racism?”

Alexander F. Lawhorne

Dr. Lavonna Lovern, Faculty Adviser

“Perpetual Problems: Issues With Sovereignty in Global Politics”

Angelique Witmer

Dr. Ari Santas, Faculty Adviser

PHYSICS, ASTRONOMY, GEOSCIENCES, AND ENGINEERING STUDIES

“3D Laser Scanning of Quarry Exposures in Coastal Plain Strata”

Chad A. Novack

Dr. Donald Thieme, Faculty Adviser

“A Detailed Structural Analysis of the Hinge Area of the Murphy Syncline, Ellijay, Georgia”

Cassie L. Taylor

Dr. Mark S. Groszos, Faculty Adviser

“Analysis of the Changes in Tobacco Farming in South Georgia”

Rance L Harrod

Dr. Paul C. Vincent, Faculty Adviser

“Buckling and Euler’s Formula: An Experimental Investigation with

Mechanical Testing System”

Justin Ryan Womble

Dr. Barry Hojjatie, Faculty Adviser

“Challenges and Opportunities within VSU’s Engineering Studies Program: Emphasis on
Internationalization”

Wade Jeffers and Natalie A. Milko

Dr. Barry Hojjatie, Faculty Adviser

“Channel Change of the Withlacoochee River from 2009 to Present Day”

Brian George Deye

Dr. Paul C. Vincent, Faculty Adviser

“Characterization of Composite Materials by Wave-Matter Interactions”

Brian C. Shanken and Steve Terry

Dr. Hasson Tavossi, Faculty Adviser

“Development of a 3-D CAD Model of Human Mandible”

William Michael Bartholomew

Dr. Barry Hojjatie, Faculty Adviser

“Earthquakes in and near Japan, March-August, 2011”

Whitney B. Rountree

Dr. Donald Thieme, Faculty Adviser

“Fourier Transform and Its Applications”

Cordel Anthony Williams

Dr. Frank Flaherty, Faculty Adviser

“Ground-Penetrating Radar Investigation of Subsidence in Covered Karst Near Valdosta”

Benjamin L. Davis

Dr. Donald Thieme, Faculty Adviser

“How Humans Contributed to the Formation of Providence Canyon”

La’Stacia S. Reese

Dr. Michael Noll, Faculty Adviser

“Mineralogy of Palygorskite Deposits Near Ochlocknee, Georgia, Northeastern Thomas County”

David C. Clark

Dr. Mark S. Groszos, Faculty Adviser

“Structural Soundness Monitoring of Pro-Elastic Materials by Ultrasound”

Jacob A. Smith

Dr. Hasson Tavossi, Faculty Adviser



“Surface Weathering of Limestone in Florida Caverns State Park”

Mary Elizabeth Lupo

Dr. Donald Thieme, Faculty Adviser

“Urban Sprawl Analysis and Its Management Policy in Madison, Wisconsin Metropolitan Area”

Jay Sharpe

Dr. Jia Lu, Faculty Adviser

“Volcanic Hazard Assessment for Georgia”

Ivey J. Roubique

Dr. Mark S. Groszos, Faculty Adviser

“Yield and Efficiency of Precision Agriculture Crops in Regards to
Non Precision Agriculture Crops”

Brandon D. Hattermann

Dr. Paul C. Vincent, Faculty Adviser



POLITICAL SCIENCE

“Indonesia: Politics, Constitution, and Rights of the People”
Charita L. Gates
Dr. Marc G. Pufong, Faculty Adviser

“Predictors of FY2010 Federal Spending in the United States”
Katherine Marie Wagnon
Drs. James LaPlant and Ofélia Nikolova, Faculty Advisers

“Social Media and the Arab Spring”
Alexander F. Lawhorne
Dr. James Peterson, Faculty Adviser

“South Korea: Politics, Constitutional Guarantees, and Economic Rights”
Whitney Yarber
Dr. Marc G. Pufong, Faculty Adviser

“Transatlantic Relations and the Middle East: Pinpointing Israel and Palestine”
Laura N. Hanna
Drs. Michael Baun and Ofélia Nikolova, Faculty Advisers

“Voting Behavior and Proposition 19 to Legalize Marijuana in California”
Joseph A. Wagner
Dr. James LaPlant, Faculty Adviser

“What are the Factors that Influenced a Minority Incumbent’s Reelection in the House of Representatives in 2010?”
Jeffrey G. Burke
Dr. James LaPlant, Faculty Adviser

“What Factors Affect Gun Control Laws for Each State?”

Douglas Smith

Dr. James LaPlant, Faculty Adviser

“What Factors Influence Globalization”

Gabriella Chloe Mulholland

Dr. James LaPlant, Faculty Adviser

PSYCHOLOGY AND COUNSELING

“Perception of Vehicle Speed Based on Verb Usage and Time Elapsed”

Casey J. Holcom

Dr. Deborah Briehl, Faculty Adviser

“Race, Punishment, and Victims of Crime – A Survey of Current Attitudes”

Hazel R. Moon

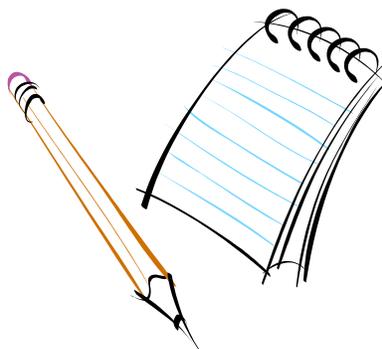
Dr. Jeremy Tost, Faculty Adviser

SOCIOLOGY, ANTHROPOLOGY AND CRIMINAL JUSTICE

“Utilization of Genograms for Biopsychosocial Evaluations”

Alice L. Mendez

Dr. Mike Meacham, 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.

COUNCIL MEMBERS 2011-2012

Dr. Alfred F. Fuciarelli, Assistant Vice President for Research and Dean of the Graduate School, Chair of the Undergraduate Research Council
Dr. Tom Aiello, African American Studies
Dr. Gretchen Bielmyer, Biology
Dr. Jenny Vu, Chemistry
Dr. James Humphrey, College of Nursing
Dr. Michael Eaves, College of the Arts
Dr. Jessica Baxter, Early Childhood and Special Education
Dr. Nathan Elliott, English
Dr. Mary Block, History
Dr. Ofélia Nikolova, Honors College
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