

2017

“Thinking Matters”

**Senior Projects in the
College of Arts and Sciences**

The Senior Project

Drawing on liberal study in the College's program of General Education and the knowledge and skills learned through a major curriculum, each senior undertakes a project appropriate to her or his field of study: an original research paper, an empirical study, development and analysis of a predictive model, a report on a laboratory experiment or field observation, gallery exhibition, a stage presentation, a computer program, a community-based project, or creative work.

Depending on disciplinary expectations, students might design their own research projects or, in other cases, join an ongoing faculty research project. In some cases, students who have pursued two majors might design one project that satisfies the capstone requirement in both majors simultaneously; in other cases, they might complete one senior project for each major. Faculty advisors mentor students in developing, researching, and producing the final project.

While disciplines in the College approach the Senior Project in different ways, the goal is to demonstrate applied, imaginative, and/or critical problem-solving. To do so, students use skills of close reading, careful observation, critical analysis, and persuasive writing and speaking to complete projects of their choosing.

Students have the opportunity to present their work at the Stetson Undergraduate Research and Creative Arts Showcase in the spring. Many seniors also present their work at conferences or publish with their faculty advisors in professional journals. Successfully completing the Senior Project is a capstone experience for all students in the College.

2017

“Thinking Matters”

**Senior Projects in the
College of Arts and Sciences**

Aquatic and Marine Biology

Caitlin Brewer

Effect of Sediment Composition on Growth of American Eelgrass (*Vallisneria americana*)

Henderson Gull

Predation Success and Handling Strategies in the Stone Crab (*Menippe mercenaria*) in Foraging Trials with Four-Shelled Marine Invertebrates

Alexis Korotasz

The Effect of Prey Elevation on Caudal Luring in Neonate Pigmy Rattlesnakes (*Sistrurus miliarius*)

Stephanie Schreiber

Nutrient Recycling in Blue Spring from the Exotic Snail Species *Melanooides tuberculata* and Its Effect on Algal Growth

Chandra Schulte

Monitoring the American Horseshoe Crab's (*Limulus polyphemus*) Densities on Nine Beaches in the Indian River Lagoon, Florida

Art

Bianca Enos

Objectified

Isabel Hernandez

Dancers

Julia Lozano

Pelagic

Jasmine Ramos

What It Costs

Natasha Radovicz Schaidt

Inside the Artist's Studio

Laine Weber-Callahan

Rebirth

Whitney Wolf III

Winged Ones

Biochemistry

Brooke Shepko

The Kinetic Study of L-Lactate Dehydrogenase on an Unnatural Substrate

Biology

Kaitlin Andersen

Detecting Light-Driven DNA Repair by Photolyase and Finding Optimal Environment for Enzymatic Activity within *Chlamydomonas reinhardtii*

Patrick Ball

Effect of pH and Fungi Presence on the Germination of *Carphephorus corymbosus*.

Glynn Baron

The Effect of NaCl and Sucrose on Behavior and Neural Activity in the Gustatory Cortex

Andrew Barton

Plasma Corticosterone Levels and Body Condition in Reproductive and Non-Reproductive Pigmy Rattlesnakes, *Sistrurus miliarius*

Ali Brassinga

The Effects of Prey Location on the Caudal Luring Behaviors of the Pigmy Rattlesnake (*Sistrurus miliarius*)

Cara Brisson

Manipulation of *Drosophila melanogaster* Diet to Determine a Core Microbiota

Kristen Coulter

The Effect of Oxytetracycline HCl on the Embryonic Development of *Ambystoma*

Ryan Cromwell

The Relationship between Human Papillomavirus and Incidence of Cervical Cancer with Increasing Age

Kate Ellis

The Effect of Green Tea Extract on H460 Lung Cancer Cells

Mark Francis

The Effect of Triclosan on Axolotl (*Ambystoma mexicanum*) Development

Adam Freeman

A Comparison of Age and Growth between *Pterygoplichthys disjunctivus* Populations in Florida and Texas Springs

Nicholas Fuller

The Effect of Florida Apple Snail Density on *Vallisneria americana* Weight and Reproduction

Jackie Gordon

The Effects of Atrazine on Zebrafish (*Brachydanio rerio*) and Axolotl (*Ambystoma mexicanum*) Embryological Development

Sara Greco

Electrical Stimulation of Gustatory Cortex Causes the Activation of Motor Output in Conscious Rats

Elsa Guevara

An Investigation on a Subpopulation of Florida Black Bear (*Ursus americanus floridanus*) Seasonal Roadkills and Its Relationship between Sex and Age Class 1983-2015

Whitney Harvey

Inorganic Nitrogen and Phosphorus Are Not Chemical Catalysts for Accelerated Generation Times in the Invasive Snail Species *Melanoides tuberculata*

Valencia Henry

The Examination of Flaxseed Lignan Enterolactone in Non-Malignant Lung Fibroblast Cells

Sarah Jensen

Development of CRISPR Constructs for the Insertion of GFP into the *Cdk-5* Gene of *Caenorhabditis elegans*

Katelyn Johnson

Food Types Effect Growth Rates in *Melanoides tuberculata*

Madison Jones

The Role of the klp-6 Mutation in Neuronal Morphology and Behavior of *Caenorhabditis elegans*

Joshua Lieberman

Electrical Stimulation of the Gustatory Cortex Causes a Motor Response in Wistar Rats

Madi Madison

Priority and Nutrients Influence Survival of *Asclepias tuberosa* Seedlings when in Competition

Daniella Malagon

The Effect of Different Magnetic Field Gradients on the Velocity of *Magnetosprillum magneticum*

Esteban Martinez-Francia

Topography of Active Neurons and Behavioral Responses to Umami in Rats

Joseph Martire

The Effects of Genetic Relatedness and Distance on Airborne Communication for *Passiflora incarnata*

Logan Minckler

Investigating the Effect of Water pH on Amphibian Abundance in New York State

Alicia Oberholzer

The Effects of Methyl and Propylparaben on the Embryonic Development of *Ambystoma mexicanum*

Donna-Jael Paredes

The Effects of Arginine Vasotocin on Maternal Care Behavior in a Viviparous Snake, *Sistrurus miliarius*

Samantha Pasko

Air Breathing Behavior in *Pterygoplichthys disjunctivus* (Loricariidae) in Volusia Blue Spring, Florida

May Pivarnik

Laterality in Coiling Behavior of Pygmy Rattlesnakes, *Sistrurus miliarius*

Fatima Ramis

Energetic Status Is Positively Related to Maternal Behavior in a Viviparous Snake, *Sistrurus miliarius*

Valeria Roati

The Effects of Age and Movement on the Cellular and Volumetric Development of the Equine Fetlock Joint

Laurie Scott

The Effects of Creating Supplementation on *Ambystoma mexicanum* Embryos

Cassidy Soehnlein

The Growth of *Candida* in the Lower Gastrointestinal Tract of Canines Increases with the Use of Antibiotics

Emily Stamey

Lack of Induced Systemic Resistance among Rhizomatous Clonal Networks of *Passiflora incarnata*

Anna Thornton

Frequency of Aerial Respiration in Hypoxic Conditions of Juvenile *Pterygoplichthys disjunctivus* (Loricariidae)

Isabela Visintin

The Effects of Antenatal Dexamethasone Treatment on Embryonic Development of the Axolotl, *Ambystoma mexicanum*

Lexus Walker

The Effects of a Rotating Magnetic Field on *Magnetospirillum magneticum*

Cory Zirkel

Examination of Genistein-Mediated Apoptosis and Oxidative Stress in H460 Lung Cancer Cells

Chemistry

Vanna Blaszczak

3D Printing of Porous Materials for Catalytic Applications

Monika Chojnacka

Verifying the Integration of Gene Construct in Transgenic *Catharanthus roseus* Hairy Root Lines for the Production of Pharmaceuticals

Cassandra Diaz-Allen

Antimicrobial Activity of *Alpinia zerumbet* Extract

Griffin Marth

Using Polarimetry to Observe Kinetics of Mutarotation and Hydrolysis of Simple Sugars

Cameron Michael

Detecting Olive Oil Adulteration

Thaddeus Potter

Bandgap of Substituted Thiophenes

Valeria Roati

Comparing the Inhibitory Effects of Phytochemicals on Collagenase Activity: A Potential Homeopathic Treatment for Equine Bone Degradation

Ashley Woodrow

Quantification of Inorganic Arsenic in Beer and Selected Brewing Ingredients

Communication and Media Studies

Catherine Aguda

Masculinity Killed Desdemona: A Rhetorical Analysis of the Masculine Communication and Influence that Led to Desdemona's Demise in Shakespeare's *Othello*

DeAsia Beal

"Do You Understand What I'm Telling You?": The Recognition of the Self as a Coach and Communicator

Rhiannon Boyer

Earthrise: The Event That Symbolized Globalization

Dominique Brown

Their Game, Their Stories: Olympic Athletes and the Use of Narrative in Advertisements during the 2016 Summer Olympics

Kendal Diehl

CEO's and She-E-O's: News Framing of Carly Fiorina Following Her 2005 Termination from Hewlett Packard

David DiGioacchino

From Study Abroad To A Story Abroad: Storytelling as it Fits into the Lives of Returned Study Abroad Students

Taylor Duguay

"I Am Your Voice": The Construction of Donald Trump as a Populist Hero in His 2016 Republican National Convention Address

Katelyn Ferris

A Champion for America: A Metaphoric Analysis of Barack Obama's 2016 Democratic National Convention Speech

Alexis Gates

Who "Run the World (Girls)": Beyoncé and the Visual Construction of Feminism in Videos from Beyoncé and Lemonade

Brian Glasford

Deflated Image: Tom Brady's Image Repair following the 2015 Deflategate Incident

Danielle Hankey

When Tragedy Strikes: A Frame Analysis of Two NBC News Outlets Following the First Forty-Eight Hours of the Orlando Pulse Shooting

Autumn Homer

The Backlash of Blackfish: An Analysis of Sea World's Image Restoration Tactics in Response to Reputation Damage

Lydia Kinney

Bloody Hell: Binary Gender Roles in the Post-Battle of the Sexes Pre-Great Recession *Halloween* Movie Franchise 1978 and 2007

Alessandra Kutz

Let's Get Physical: The Student-Athlete Perspective of Gatorade's Communication through Commercials

Lewis Long

From Barrier to Art: The Rhetorical Transformation of Berlin Wall Pieces in New York City

Adelaide Loomis

More Than Coffee: A Visual Material Analysis of Three Local DeLand Coffee Shops

Austin Marks

Against Tradition: Identifying President Obama's Transformation Style of Leadership

Josae Martin

Not Just Locker Room Banter: Michelle Obama and the Expansion of the American Jeremiad

Matthew Mazza

Concussion by the NFL: The Situational Crisis between the NFL's Organization and Concussions from 1994-2015

Melissa Mitchell

Responding to Crisis: Epideictic and Deliberated Strategies in Barack Obama's Post Sandy Hook Elementary School Shooting Discourse

Natalia Mojica-Arango

Send in the Duck: A Critical Analysis of Disney Cartoons As WWII Propaganda

Meagan O'Conner

Reel or Reality: The Conflicting Narratives Surrounding Prostitution in Three Separate Examples of Mass Media

Eduarda Pavao

“That’s Not What I Told You”: The Importance of Coaches’ Communication and Its Effects on the Motivation of Student-Athletes

Michael Peter

Bikers, Drugs, and Rock and Roll: Reflection of Culture in *Easy Rider* 1969

Sarah Ruttmar

“I’m Lovin’ It”: Visual and Verbal Representations of Healthy Eating in McDonalds’ Advertising

Julia Seiler

What Makes You Insta Worthy?: College Students and Impression Management on Instagram

Austin Tyrell

Kaepernick Please Rise: A Dramatistic Analysis of Colin Kaepernick’s Protest as Symbolic Action

Griffin Vari

I Saw Them on Tinder: Online Dating and Self-Presentation on a Small College Campus

Dereck Williams III

“What’s Going on?”: Marginalization and Decolonization in Marvin Gaye’s Seminal Protest Album

Samantha Zarek

Black Sunday: NASCAR’s Public Relations Strategies In Response to Dale Earnhart, Sr.’s Death

Computer Information Systems

Cornell Daly

Utilizing Modern Game Design Practices in a Solo-dev Environment

Antonio Garcia

Location-Based Augmented Reality Application Using Objective-C

Roberto Pagan

Diabetic Assistant Tool

Richard Roe

Denial of Service via Internet of Things Devices: Attack Methodologies and Mitigation Techniques

Christian Valderrama

iWorkout Now: A Revolutionary Way to Workout

Computer Science

Michael Clay

Git-Advise: An Automated Git Workflow Adviser

Christian Decker

Scene by Scene Script Generation for Live Action Hollywood Movies

Marissa Gomez

A Mobile Fitness Application for Asthma Sufferers

Jacob Hell

Advisor: A Rule-Based Expert System for Academic Advising

Alex Ordonez

Analysis of the Expected Payout of Bitcoin Mining on the Common Consumer

Antonio Ruiz

Abnormal Crowd Behavior Detection Hardware

Christian Smithroat & Ou Zheng

Team-Oriented Simultaneous Localization and Mapping

Digital Arts

Andrew Adams

Rattle the Scottish Ferret

Christopher Atkins

Late Night: A Hip-Hop Album

Anna Chun

The God of Antiques

Aaron Cook

Underwater Adventure

Meghan Doyle

Unspeakable Tragedy

Ian Felpel

HIGAVI

Victoria Grupp
Touch Me Canvas

Michael Hawkins
Facing Reality

Allegra Henderson
White as Snow

Dillan Hoekzema
The Dark Tower

DeArmis Jamison
The Janitor

Colby Johnson
This World Is Cold

Katie Mackey
Driftwood

Madison McCutcheon
Pigment

Hilario Menendez
OpinionesLocales.com

Tavish Papp
Waldosia

Amanda Pierce
Taking Flight

Christina Pierce
Glow

Anthony Pizzo
Bogeyman Hosted

Caitlin Prestridge
Weekday Friends & Co.

Mitchell Robey
Dreaments

Nickolas Saffan

flnow

Kellyn Scrimger

Life After...

Aubrianna Spurgin-Kabinu

Au Cinéma

Erin Tischer

Message Received

Anthony Virgilio

Transcendent Dreamscape

Isis Whyte

Hatterize

Michael Zirpoli

On the Rocks

Economics

McKenzie Cathcart

The Relationship between Income Level and African-American Male Incarceration

Evin Lynch

Measuring Academic Performance between Student Athletes and Non-athletes: A Mixed Methods Study

David Osorio

Vulnerability to Sea Level Rise in the Florida Keys

Elementary Education

Madison Akins

Teachers' Knowledge of Children's Literacy Influence on Student Reading Development

Allisyn Bernard

How Educators Can Improve Their Writing Instruction: The Story of How One Local Elementary School Improved Their Scores

Delaney Christine

Social Studies in the Elementary School: Reincorporation through Literature and Transmediation

Elise Derrico

Utilizing Movement in the Classroom

Melissa Diamond

Twice Exceptional Students and Effective Strategies for Success in the Classroom

Hannah Feldman

Technology-Enhanced Learning: The Importance and Effective Classroom Practices

Alexis Guyton

Formative Assessments: Evaluation and Engagement

Cambria Gysi

What Effect Does Poetry Have on Students?

Lindsey Hall

Technology Integration in Elementary Classrooms

Brittanie Hamilton

Transgender/Gender Nonconforming Youth in Education

Valerie Hiller

Classroom Strategies to Reduce Math Anxiety

Brilee Hundley

Where D.I.D. You Go?

Adam Kalunian

Improving Math Achievement with the World Around Us

Elizabeth Lizalde

Social What? A Glimpse into Social Studies Curriculum

Lydia McDonald

Whole Brain Teaching: The Impacts and Implications

Alexis Simko

Bridging the Gap on Standardized Achievement Test for English Language Learners

Lydia Smith

Self-Injury in the Classroom

Laurel Underwood

What Not to Wear – Teacher’s Edition: How Does a Teacher’s Dress Affect Students in the Classroom?

Brittany Waldren

How Public Schools Failed Juvenile Delinquents

Morgan Waters

Examining Reinforcement and Punishment for Classroom Management

Grace Weite

What are the Challenges to Teaching and Learning Common Core Math?

Allison White

The Influences of Art and Music

Michael Yonker

Classroom Management’s Impact on Students with ADD/ADHD

English

Jordan Bennett

“Is that Racist?”: Black Women and Racism in College with an Essay on bell hooks and Black Femininity

McKenzie Wulf Beery

The Secret Thoughts of Women: An Analysis of Six Late Works by Kate Chopin

Richelle Braswell

Life Changed: An Examination of Patricia Briggs’ Fantasy World, the “Mercyverse,” and a Short Story

Jason Cruz

We Think by Feeling: On the Power of Storytelling to Repair Traumatized Human Narratives, with Examples from People Living, Dead, and Fictional

Adrian Fonseca

On the Other Hand of Darkness: Reading Ursula K. Le Guin’s Text as Third Wave Feminist

Emily Heathcote

“As Far as the Shadow of Decency Allowed”: Valorization through the Commodification of *Lolita*

Martha Hunsucker

Radical Learnings: Applying a Marxist-Feminist Lens to the Dystopian Fiction of Charlotte Perkins Gilman and Margaret Atwood

Jessica Kodrowski

An Understanding of Supernatural and Dream Aspects in Coleridge's *Christabel* and *Rime of the Ancient Mariner*

Danielle Kramer

Autism: A Critical Analysis of Jodi Picoult's *House Rules* and "From My Eyes Only," a Short Story

Ciera Lamoureux

140 Characters or Less: Celebrity Tweets and Found Poetry

Lindsey Lewis

Jeffrey Eugenides' *Middlesex*: A Lacanian Reading

Shayna Griffiths-Lindsay

Reincarnations of Beauty and the Beast: The Everlasting Transformations of Myth and Fairy Tale

Amy Matton

Still Stigmatized: How *A Beautiful Mind* and *Shine* Perpetuate Damaging Ideas of Disability

Tatjana Muroski

Foucault and Shakespeare: Modalities of Power within the Second Tetralogy

Rachel Elisabeth Nelson

Hermione Granger's Charm: Recasting the Spell of Heroism in the Harry Potter Novels

Alissa Pagano

Brick & Mortar/Quick & Mortal: A Collection of Visual Poetry

Taylor Silveira

Looking for an Answer: Why are John Green's Young Adult Novels so Popular?

Jake Lee Smith

Sophistry on the Trail: The Word Wars of Clinton and Trump

Shemeca Smith

A Choice of Room or Garden: Intentional Intertextualism of Virginia Woolf, a Feminist, and Alice Walker, The Womanist

Lynn Walsh

"She Barred the Door of Her Bedroom Forever": Amaranta's Virginity in *One Hundred Years of Solitude*

Kaitlyn Wilson

Cyster Talk: Three Stories on Infertility and an Analysis of Jamie Quatro's Short Story Collection, *I Want to Show You More*

Environmental Science

Caitlin Brewer

Effect of Algal Growth and Coverage on the Growth of American Eelgrass (*Vallisneria americana*)

John-Everett Doling

Quantifying Organic Waste at the Stetson University Commons: A Measure of Food Waste and Associated Greenhouse Gas Emissions

Autumn Homer

Blackfish Backlash: Analyzing Sea World's Response to Reputation Damage

Madison Kell

Correlations between Cardiovascular Disease and Greenspace in Florida Counties

Sara Nelmes

Testing Stetson's Soils: An Analysis of Nutrients in the Native Plant Area and the Stetson Green

Emily Niederman

Utilizing GIS-Based models, Hazus-MH and Sea Level Affecting Marshes Model (SLAMM), to Identify Floodplain Conservation Areas for Coastal Hazard Mitigation

John Benjamin Pitts

Projecting Climate Change-Influenced Shifts in Georgian Viniculture Using a Species Distribution Model

James Rainey

The Statistical Association between Breast Cancer and Dieldrin Contaminated Areas

Emma Schaefer

Relationships between Socio-Economic Status and Prevalence of Mosquito-Promoting Peri-Domestic Containers among Yards in Volusia County Mosquito Control District, Florida

Environmental Studies

Carly Batts

Gender-Based Attitudes about Open Space

Katie Hansen

Climate Change: A Survey of Downtown DeLand and Stetson University

Sompi Harmetz

Florida Superfund Sites and the Social Composition of the Communities that Surround Them

French

Colette Bernard

Le Mouvement Punk: Enfant Illégitime de l'Internationale Situationniste

Andrea Bruere

Je T'aime un Peu, Beaucoup, pas du Tout: L'étude du Sentiment d'Appartenance de la Jeunesse Française Musulmane d'Origine étrangère

Francisco Ortiz Colón

L'Impérialisme des États-Unis et de la France dans les Antilles

Vivian Motta

André de Lorde and Léo Marchet 's *The man in the Night* : Original annotated translation and introduction of a 1921 Grand-Guignol play

General Studies in Education

Elizabeth Anderson

Effective and Appropriate Classroom Management Tactics for Students with and without Behavioral Issues

Emma Clark

The Value of Reading Aloud Beyond the Classroom: A Parent's Role

Alexandria Fitzgerald

Classroom Diversity: Working With English Language Learners in an Intermediate Classroom

Rachael Goldenberg

Reducing Barriers Faced by Homeless Elementary Students

Samantha Maguire

Inclusion of Children With Autism in the Elementary Classroom

Christina Ponce

Social Interaction and Play During the Elementary School Years

German

Maja Salibasic

Moralisches Dilemma

Health Science

Trent Austin, Carleigh Sales, and Catrina Sisi

Sleep Disorders in Division I Collegiate Athletics during the Competitive Season

Laurel Barrie, Alex Gonzalez, Kyle Meerdo, Kathryn Nash, Osra Sipes, and Gabriella St. Angelo

Student Knowledge of Zoonotic Parasites in Canines and Felines

Nicole Black

A Study of Cell Death in Phenoxodiol Treated Jurkat Leukemia Cells

Mary Bougoulis and Mats Israelsson

An Evaluation of the Prevalence of Kyphosis in Students at Stetson University

Frederick Brown, Caleb Cheatham, Dean Garabedian, and Austin Miller

Dynamics of N and P Levels in the St. John's River versus Blue Springs, and Their Potential Impact on Toxic Algal Blooms

Erin Busch

Examining the Effects of Cupping Therapy and Massage Therapy on Lower Back Pain: A Comparative Study

Jessica Butler

The Relationship between Socioeconomic Status and Mental and Physical Health in College Students

Anthony Dekker

Examining the Effects of Kinesio Tape and Cupping Therapy on Lower Back Pain: A Comparative Study

Jamie Dell'Aquila and Thomas Sheahan

The Effects of Education and Implementation of the '5-2-1-0' Initiative on Children Enrolled in After-School Programs at YMCA's in Central Florida

Ashni Deschenes

The Effect of Creatine Supplementation on Cognitive Functioning of College-Aged Students

Anthony Espinosa, Christina Loya, and Anna Miner

Gender Differences in Health Behaviors among College Students

Nicole Garrabrant and Amanda Sheely

The Effectiveness of the '5-2-1-0' Initiative in Volusia County After-School Programs

Camy Housley and Dre'an Long

Health-Related Behaviors among School-Age Children

James Lane, Adonis Magras, and Joseph-Ryan Moran

How Does Duration of Static Stretching Physically Affect Non-Athlete College Students when Performing a Sit-and-Reach Test?

Tiffany Marrero

Assessing Public Health and Community Needs of the City of DeLand and Volusia County Based on the Spring Hill Community

Sunni Mesete and Precious Paxon

Do Attitudes and Beliefs towards Complementary and Alternative Medicine Change from Academia to Practice?

Daniela Moneuse, Alyssa Payne, and Kara Swanson

Health-Related Behaviors among School-Age Children

Naser Mubarak

Comparable Peroxidase Levels in Daidzin Treated and Untreated Jurkat Leukemia Cells

Gary Music

Prediction of Dysbiosis Using the Gastrointestinal Quality of Life Instrument (GIQLI) in a Subclinical Population

Makayla Owens

Prediction of Dysbiosis Using the Blood Marker, C-Reactive Protein (CRP), in a Subclinical Population

Johnny Pingshaw

Examining the Effects of GI Health on Quality of Sleep in a Subclinical Population

Laurie Scott

The Effects of Creatine Monohydrate Supplementation on the Cognitive Functioning of College-Aged Students

Kayla Snyder

Examining the Effects of Kinesio Tape and Massage Therapy on Lower Back Pain: A Comparative Study

Megan Tracey

Happy Hounds: The Effects of Probiotic Supplementation on Canine Digestive Health

Cory Zirkel

Examination of Genistein-Mediated Apoptosis and Oxidative Stress in H460 Lung Cancer Cells

History

David Baker

Hollywood Nights: A Look at Some Cinematic Classics through a Historical Lens

Natalie Frandsen

National Crises and the Expansion of U.S. Executive Power: The Presidencies of Franklin D. Roosevelt, George W. Bush, and Barack H. Obama

Maria Frank

Polish Pilots in Exile: The Polish-British Military Encounter, 1939-1945

Griffin Fuller

Sir Francis Drake: Evolution of the Pirate

Rebecca Wilder Herron

Evolution of the Talayotic Civilization: The Trajectory of Culture against Classical Mediterranean Influences

Gabriella Hutcheson

From Institutionalization to Education: The Evolution of United States Federal and Florida State Policy on Mental Retardation in the Children's Educational System, 1959-1975

Emily Marston

Motivation, Acceptance, and the Assimilation of Soviet Jews in the United States During the 1980s

Taylor Nicholson

The Tension between the Media and the Police: The Question of Whether This Is Racially Driven

Miracle Townsend

Inventing the Superhero: The Man of Steel, Jewish-American Culture, and the Golden Age of Comics, 1938-1954

International Studies

Andrea Bruere

Je T'aime un Peu, Beaucoup, pas du Tout: L'étude du Sentiment d'Appartenance de la Jeunesse Française Musulmane d'Origine étrangère

Kylee Bryan

Democracy and the Environment

Francisco Ortiz Colon

L'Impérialisme des États-Unis et de la France dans les Antilles (The U.S. and France's Imperialism in the West Indies)

Adriana Dilger

Pinpointing the Leading Causal Factors of Human Trafficking

Ayala Edouard

Crossing Borders: The Effects of Statelessness of Impoverished Minorities

Emily Lilavois

The United Nations and the North Atlantic Treaty Organization: The Decision to Intervene in Global Conflicts

Frieda Lindroth

Fundamental(ist) Religiosity Ideology as it Influences Individual Support for Right-Wing Populist Politics

Wamweni Shamambo

Education 2030: Equity, Access, Quality – Capability Approach in Education

Mathematics

Brianne Boldrin

Predicting the Result of English Premier League Soccer Games by the Use of Poisson Models

Michelle Collins

The Correlation between the Cost of College and Future Earnings

Clarissa Consol

Analyzing 400m Running Performance Based on Track Geometry, Air Resistance and Altitude

Chris Finkle

Analysis of Rummy Games: Expected Waiting Times and Optimal Strategies

Delvin Riley

Modeling Golf Ball Flight via Differential Equations and Regression

Margaret Winkler

Localized Solutions of the Nagumo Equation

Anna Zhu

A Network Model for Analysis and Application of Systemic Risk During the 2007-2009 Financial Crisis

Molecular Biology

Natalie Applebaum

The Effect of Cigarette Smoke Exposure on the Respiratory Microbiome of *Mus musculus*

Chandler Callaway

The Effect of Cyclindrospermopsin on the Liver of Golden Shiner Fish (*Notemigonus crysoleucas*)

Shannon Carmignani

Identification of Cancer Clusters Using Surveillance, Epidemiology, and End Results Program (SEER)

Monika Chojnacka

Cytotoxic Effects of Alpinia Zerumbet Essential Oil on Jurkat E6-1 Cell Line

Brian Kirkland

Application of Next Generation Genotyping by Sequencing (GBS) to Validate and Improve upon the Precision of Previous Molecular Phylogenetic Analysis of Montane Great Basin Stoneflies

Orion Maier

Variation of Reproductive Traits in Relation to Environmental Temperature in a Humid Subtropical Viperid (*Sistrurus miliarius barbouri*) in Central Florida

Zaamena Manji

The Effect of Taxol on the Motility, Morphology, and Survivability of Embryos in the Species *Hypsibius dujardini*

Paul Petrowski

Genetic Structure of *Hesperoperla pacifica*, a Montane Stonefly

Sharjeel Qureshi

Effect of Ultraviolet Radiation on DNA Integrity and Survival Rates in Hydrated and Anhydrobiotic *Hypsibius dujardini* Tardigrades

Philosophy

Graham Ball

Conceptualizing Disability: An Endorsement of the Ecological Perspective

Joseph Beery

The Ethical Implications of Wittgenstein's Investigations, as Influenced by Leo Tolstoy

Lisette Conty

Love Is a Choice

Enric Cordoba

Ideology, Capitalism, and the Autonomous Society

Sid Corbin/Contu

Millennials and Their Memes

Jason Cruz

We Think by Feeling: On the Power of Storytelling to Repair Traumatized Human Narratives, with Examples from People Living, Dead, and Fictional

Chance Everett

The Relevance of Fully Authentic Agency in Brownlee's Human Rights against Social Deprivation

Brittney Ferko

The Moral Dilemmas of Euthanasia

Olivia Haskin

Morality: Emotivism, Valuations, and Propaganda

Amanda Hernandez

YouTube Celebrity as Icon

Rebecca Luke

The Current Understanding of Sex Is Not Biological: Debunking the Myths of the Sex Dichotomy

Galen McTaggart

Propaganda and Moralism in Art: An Ordinary Language Perspective

Joshua Resnick

The Logic of Forgiveness

Cole Simpson

The Culture Industry: An Illusion of Authenticity

Elsa Marie Solomon

What's in an Education

Tyler Swanson

Manufacturing Masculinity: Privilege, Paradoxes, and Power

Maja Salibasic

Moral Disappointment

Applied Physics

Kameron Calabro

Magnetic Force Microscopy of Yttrium Iron Garnet

Physics

Stanford Borrell

Single-Axis Solar Tracker Using Closed-Loop Voltage Feedback

Dylan Labbe

Simulation of Alfvén Waves in One Dimension

Thaddeus Potter

Electronic Properties of Silicon Wafers and Gold Thin Films

Jeremy (Tyler) Schulte

Imaging the Vibrational Patterns of Trombone Bells Using Time Average Holography

Nathan Sturgeon

Atomic Force Microscope Studies of Carbon Nanotubes

Political Science

Ruby Arvizu Mendoza

Comparison of the Recruitment of Women Leaders in Presidential and Parliamentary Systems

Blake Benton

The Creation of President Trump: A Cross-National Analysis of the Support Behind Right-Wing Populism

Elizabeth Cirri

Presidential Appeals to the Almighty: Gauging Religious Rhetoric in the U.S. Presidential Inaugural Addresses

Enric Cordoba

Ideology, Capitalism and the Autonomous Society

Taylor Duguay

"I Am Your Voice": The Construction of Donald Trump as a Populist Hero in His 2016 Republican National Convention Address

Tyler Duignan

From Decolonization to Neo-Colonialism?

Natalie Frandsen

National Crises and the Expansion of U.S. Executive Power: The Presidencies of Franklin D. Roosevelt, George W. Bush, and Barack H. Obama

Adelaide Godwin

The Effect of Cable News Bias on Political Polarization

Sompi Harnetz

Florida Superfund Sites and the Social Composition of Communities That Surround Them

Deanna Harrison

Explaining the Variation in Knowledge of European Citizen Rights among E.U. Countries: It's the Economy Stupid

Chad Hicks

Transnational Geopolitics in the Age of Ethno-Nationalism and Marginalized Independence

Colleen Kirby

An Analysis of Political Factors that Influence the Adoption of a Renewable Portfolio Standard at the State Level in the Northern and Southern Regions of the United States

Rebecca Klonek

Comparing Electoral Systems: How Institutions Shape Voter Turnout

Lindsay McGrath

Ontological Security Politics of Memory, and Sites of Memory: Understanding Russia since Crimea

Mariana Prado

Is Environmentalism a New Social Cleavage? Analyzing the Possible Influence of Pre-Environment Opinions on Voter Behavior and Party Systems

Taylor Scribner

Evaluating the Role of Personality, Values, and Locus of Control in the 2016 United States Presidential Election

Sharde Slaw

Temporary Special Measures: Lessons from the French Model

Tuan Tran

The Relationship between Economic Development and Prospects for Democracy: China and Vietnam

William Vinson

Islamization and Democratization: A Questionable Relationship

Candace White

The Effect of Concordant Political Affiliation on The Perception of Sentencing Guidelines

Jordyn Wise

What Biases Are Present in the Nomination of Federal Judges

Psychology

Gina Aguayo

The Relationship between Self-Esteem, Narcissism, Self-Objectification and Posting Selfies on Social Media

Jessica Lou Ann Chavis

Do Perceived Characteristics of Faculty Predict Student Course Preference?

Tiffany Creamer

Stress and Depression in Student Athletes

Averi D'Anna

Television Viewing Habits as Predictors of Physical and Psychological Health

Tara Rose Davison

Public Observation of Behavior towards People with Physical Disabilities

Zachary Dawson

Attachment Style, Communication Patterns, and Relationship Satisfaction

Jamie Dell'Aquila

Does the Media Influence Romantic Relationship Expectations?

Maya Ferdschneider

Levels of Depression Symptoms in Male Racial Minority Student-Athletes

Isabella Fernandez

A Comparison of Self-Esteem and Eating Habits between Athletes and Non-Athletes

Mary Olivia Gaudin

Family Dynamics and Life Satisfaction in College

Sara Gorman

Can Read You This? Dyslexia Priming Effects on Cognitive Task Performance

Aaliyah Gray

Understanding the Relationships among Sexual Identity, Life Satisfaction, Psychological Well-Being, and Online Community Use

Alexander Greene

Does Viewing Violent Media Affect Empathy and Willingness to Help?

Andrea Guedes

The Influence of Self-Learning on Pro-Environmental Behaviors in Undergraduate Students

Sarah Hoffman

Comparison of First-Generation Students and Non-First-Generation Students on Competitiveness, Anxiety, Stress, and Guilt: Does Birth Order Matter?

Alexander Howell

Does Sexual Orientation Mediate the Relationship between Attachment Style and Expectation of Partner Infidelity?

Brooke Hutson

Stress Levels, Motivation, and Competition among Siblings of Various Developmental Stages

Steven Ignao

The Relationship between Academic Performance, Exercise, and Sleep in College Students

Abigail Jeffirs

Female College Students: Sources of Emotional Support

Trinity Johnson

The Relationships Among Racial Identity, Enculturation, and Dietary Health

Bailey Jones

Evaluating a Measure of Experiential Avoidance in the Context of Self-Harm

Erin Kelly

Illuminating Jury Decisions: Does Lighting Have an Effect on Leniency?

Heather Kobus

Uncovering the Relationship between Frequent Facebook Use and Depressive Symptoms

Danielle Kramer

Stigmatizing Autism: How Exposure Affects Perception

Emily Lacina

Effect of Treatment Choice on Mental Illness Perception

Erin Lamich

The Relationship between Mental Health Counseling and College Student Well-Being

Aryn Lazarus

Pet Ownership as a Moderator for Personality and Test Anxiety: A Study in Undergraduate Students

Mary Page Leggett

Exercise Contribution to Self-Esteem

Rebecca Luke

College Students' Sexual Behavior: What Factors Predict Risky and Protective Actions?

Tiffany Marrero

The Effects of a Female Video Game Protagonist on Men's Perception of and Attitudes towards Women

Mary McManus

Purchasing Behavior in Undergraduate Students

Emily McClain

The Effect of Standardized Testing on College Students' Perceived Intelligence and Self-Esteem

Sunni Mesete

Effects of Progressive Muscle Relaxation Therapy and Guided Imagery on Test Anxiety among College Students

Jacqueline Meyer

Susceptibility to Peer Influence among College Students

Taylor Milenkovic

Religiosity and Psychological Well-Being in College Students

Jennifer Mondelli

Trauma and Sexual Behavior/Attitude Surveys: Do They Meet Minimal Risk Standards?

Kate Newman

The Effects of Dogs in Advertisements

Summer Page

A Comparison of Two Ways to Reduce Test Anxiety in College Students

Precious Paxson

Primary Care Physicians' Attitudes toward Mental Illness

Mary Piela

The Relationship between Alcohol Use and Life Satisfaction in College Students

Lauren Piercefield

Religious Background and Gender Role Expectations in Romantic Relationships

Steven Pilato

The Impact of a High-Fat Diet During Adolescence on Body Weight, Exercise, and Nucleus Accumbens' Activity in Obese-Prone Female Mice

John Post

Read It to Believe It: A Look at Credibility and the Role of Personality

Skylar Purvis

Who's Scratching Your Back? The Dark Triad in Relation to the Norm of Reciprocity

Alexandra Rasdal

Gender Identification, Identity Content, and Effects on Women's Endorsement of Sexist Beliefs

Isabella Riera

Effects of Binaural Beats on Performance during Neurofeedback Training

Victoria Riera

Sports Confidence and Fitness among College Undergraduates

Omar Rojas Perez

Sports Simulator's Effect on Operational Short-Term Memory

Sarah Ruane

Does Research-Based Media Moderate the Impact of Parental Alcoholism on Body Image?

Sydney Sanchez

Parasocial Extraversion

Amanda Sheely

The Impact of Fitness Motivation Social Media Accounts on Body Satisfaction in Collegiate Women

Jennifer Shelton

The Role of Eye Contact and Social Anxiety in Telling Lies

Martyna Sopalska

The Effect of Age at Parental Divorce on Relationship Quality in Adults

Emily Stevenson

Art Activities as a Way to Relieve Stress

Ashley Sullivan

The Student and Academic Self Concept: The Relationship between Self Concept, Adjustment, and Other Factors

Matthew Vanaman

Does Knowledge of Psychological Processes Align Actions with Values?

Jaclyn Viadero

The Effects of Peppermint on College Students' Memory and Test Performance

Paige Vinson

The Relationship between Instagram Use and Body Dissatisfaction

Tyler Wayne

Student Attitudes and Academic Performance: Is There Any Relationship?

Marisa Wetzel

Familial Relationships and Psychological Health in College Students

Gabriella St. Angelo

The Relationship between Construction Volume and Test Performance

Taylor Scribner

Evaluating the Role of Personality, Values, and Locus of Control

Candice White

The Effect of Concordant Political Affiliation on the Perception of Sentencing Guidelines

Public Health

Brittani Janson and Lindsay Summers

Population-Based Assessment of Knowledge, Perceptions, Readiness, and Prescribing Behaviors of Healthcare Providers Regarding HIV Testing and Pre-Exposure Prophylaxis (PrEP) in DeLand, Florida

Public Management

Benjamin Cashman

Partisan Polarization along Economic and Social Dimensions

Heaven Cassata

How Globalization Shaped Sexual Violence and Militarized Rape in the Democratic Republic of the Congo

Wesley Dickson

The Machiavellian Dilemma: A Study of Negative Partisanship

Kate Newman

Role of Trust in Effective Communication between Teachers and Principals

Andrew Rouse

The Effects of Privatization on City Water Utilities

Religious Studies

Jamie Cheslow

Classifying Modern Paganism: A Postmodern Religion Fashioned through Experience and Illustrated through Fashion

Camila Marken

Personifications of Evil within Mel Gibson's *Passion of the Christ*

Patricia Medina

The Role Religion Played in Slavery in the United States

Chelsea Probus

Religious Characteristics of Rock Climbing

Douglas Reddick

Christ-Figure Elements within the Characters of *The Lord of the Rings* Film Trilogy

Alexandra Sullivan

A Balancing Act: The Impact of Christianity on Modern Native American Identity

Aviar Tatem

Potential Influences of Astrology on Early Christianity

Russian, East European, and Eurasian Studies

Joseph Mitchell Beery

Linguistics Soluble: Wittgenstein's Ethical Project, as Shaped by Leo Tolstoy's *Gospels*

Maria Frank

Polish Pilots in Exile: The Polish-British Military Encounter, 1939-1945

Lindsay McGrath

Ontological Security, Politics of Memory, and Sites of Memory: Understanding Russia Since Crimea

Rachael C. Rades

Color Revolutions and Russian Media Law: Political Turnovers in Russia's Sphere of Influence and Restrictions of Russian Media Freedom

Social Science

Ayala Edouard

Three Case Studies on Statelessness and Its Manifestations

Jeffery Hahn

State Funding and Private Higher Education

Adrianna Laforest

Black Students' Sense of Racial Consciousness while Attending a Predominantly White Institution Versus a Historically Black College/University

Lanell Oliver

The Excessive Use of Force by Police Officers against African Americans

Stephen Paladino

A Qualitative Study of Media, Law Enforcement, and the Public

Alexandra Sullivan

A Balancing Act: The Impact of Christianity on Modern Native American Identity

Sociology

Abby Boll

What Keeps Interracial Couples Together: A Look at Homophily and Contact Theory

Shelby Field

Cultural Capital's Effects on Perceptions of Education

Taylor Grayson

Race and the Catwalk: A Content Analysis of High-End Designer Brand Runway Lineups

Abby Moore

Television and its Impact on Perceptions that Support Rape

Spanish

Jon Bak

La Influencia de Pinochet en la Sociedad Chilena Moderna

Frederick Lee

La Dicotomía Entre lo Occidental y lo Indígena: El Conflicto de las Conceptualizaciones de la Naturaleza en dos Clásicos de la Literatura Indigenista Peruana

Zachary Prather

Conociendo a Neftalí: Una Reevaluación de Estravagario de Pablo Neruda

Theatre Arts

(Catherine) Grace Aguda

Acting Performance: Desdemona in *Othello*

Nicholas Bouwmans

Acting Performance: Big Daddy in *Cat on a Hot Tin Roof*

Luis Garcia

Lighting Designer: *The Learned Ladies*

Vasilios Lopernos

Acting Performance: Jean in *Rhinoceros*

Peter (Junior) Nyong'o

Acting Performance: Othello in *Othello*

Arielle Pennington

Scenic Designer: *Rhinoceros*

Alex Schelb

Acting Performance: Brick in *Cat on a Hot Tin Roof*

Samantha Williams

Styles of Management and Communication Applied to the Production Manager within the Production Process