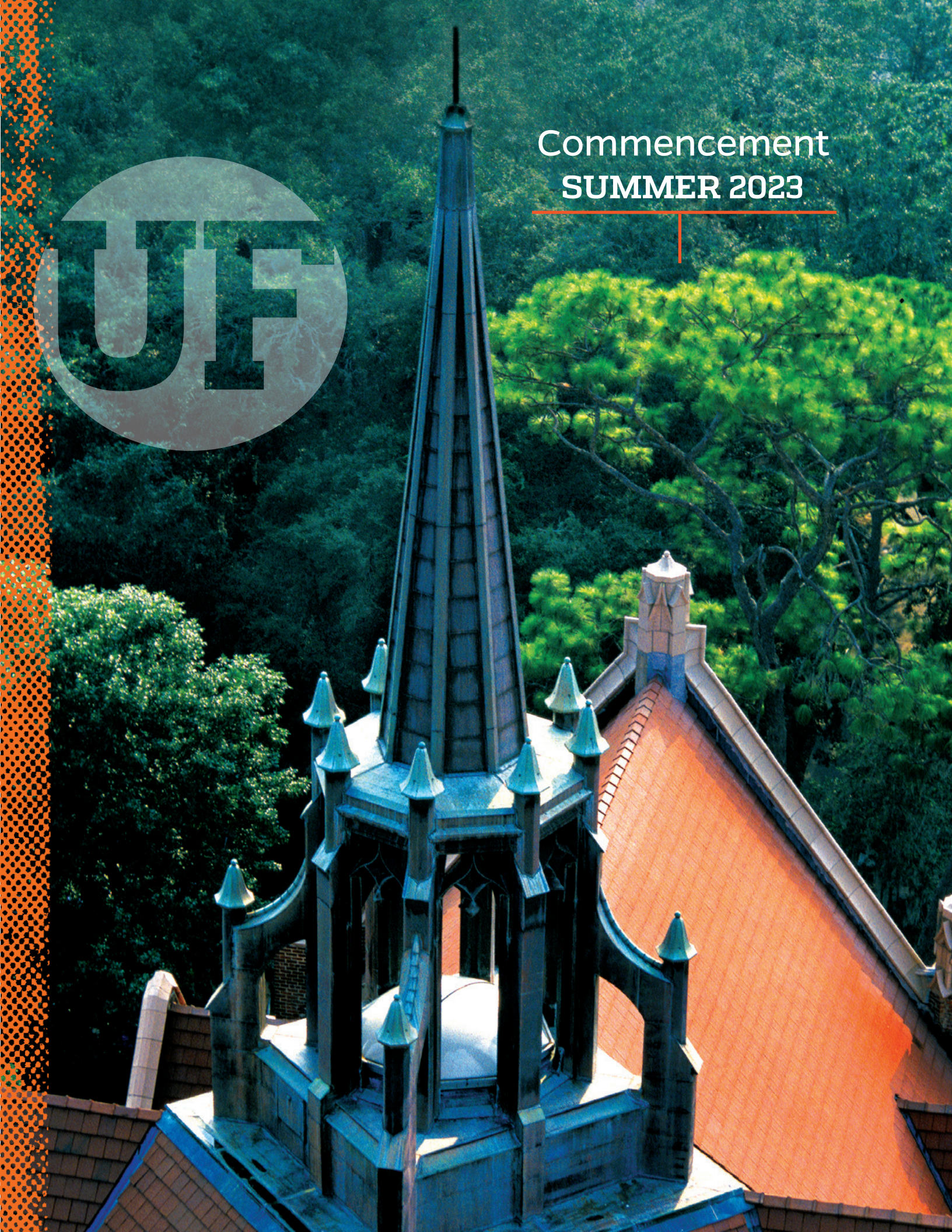


Commencement

UF | UNIVERSITY *of*
FLORIDA

Commencement
SUMMER 2023



Greetings from the President

On behalf of the University of Florida, our faculty, and the university community — congrats to all of the Doctoral Graduates of 2023.

Today's ceremony celebrates your accomplishment in earning a doctoral degree from this great university. Your many years of late nights, hard work, new perspectives, big debates, rigorous analysis, and painstaking presentation of your findings — have led you all here.

There are also a lot of people who have been rooting for you and deserve our thanks today — family members, study partners, faculty advisors, mentors — Albert and Alberta, too.

It's true that the world of work is being disrupted in big, fascinating ways. You may spend your career working independently or at multiple institutions, diving in and out of the private sector, government, nonprofits, or the startup world. You may even have multiple different careers. It's going to be fun to celebrate your successes.

While this era will prize flexibility and reinvention, our aim is to continue to make you proud of this university. We want to keep building a community of lifelong learners who engage in new ideas, welcome complicated truths, and rejoice in the challenges put before us.

On behalf of UF, thank you for your insights and discoveries that have already advanced science and scholarship, and thank you for teaching and investing in your fellow students in this community. I hope you will have warm memories of your time at UF, and that you will remain connected as active alumni.

Best wishes and Go Gators!



Ben Sasse



University of Florida President

Dr. Ben Sasse

Ben Sasse joined the University of Florida as a professor and 13th president of the 170-year-old institution in February 2023.

A husband, father, historian, Uber driver, and football addict, Ben is committed to guiding Gator Nation through this era of rapid change in the nature of work, technology, and higher education.

As the leader of Florida's flagship land-grant university, Ben has moved swiftly to cultivate fresh leadership, construct a UF-wide strategic planning initiative, and ground UF's priorities in making the highest and best use of public funds. He has sought to establish goals that are critical to Gators and the state: more applied research, more focus on lifelong learning for students, and faster, more nimble engagement with exceptional partners.

Ben believes that Florida is the most dynamic state in the Union — with a diverse economy, fast-growing population, and vast outside investment. He sees UF as uniquely positioned to help Floridians maximize the state's potential as an economic and cultural juggernaut.

Twice elected to the United States Senate and a two-time *New York Times* national best-selling author, Ben's career has spanned the private and public sectors.

Passionate about education and teaching, Ben taught at Yale University, the University of Texas, and Midland University in his Nebraska hometown. Professor Sasse has won teaching awards and holds a history Ph.D. from Yale, where his dissertation won both the Egleston and Theron Rockwell Field best dissertation prizes.

Ben and his wife, Melissa, have two college-age daughters and a 12-year-old son. Ben, Melissa, and Breck live on campus in the Dasburg House with multiple dogs and Breck's lizard, Dart, who is delighted to call humid subtropical Gainesville home.

University of Florida Leadership

State Board of Education

Manny Diaz Jr.

Commissioner of Education

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Grazie Christie

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Patrick O. Zalupski

Anita G. Zucker

President and Vice Presidents of the University

Ben Sasse, Ph.D.

President

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President - Academic Affairs

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Melissa Curry, M.Ed.

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Maria Gutierrez Martin, B.A.

Interim Vice President - Advancement

Marsha McGriff, Ed.D.

Chief Diversity Officer and Senior Advisor to the President

David Norton, Ph.D.

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Steve Orlando, M.A.

Interim Vice President -

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Mary G. Parker, Ed.D.

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Curtis Reynolds, M.B.A., M.S.E.E.

Vice President - Business Affairs

Heather White, Ph.D.

Vice President - Student Life

Deans of the University

R. Elaine Turner, Ph.D.

College of Agricultural and Life Sciences

Onye P. Ozuzu, M.F.A.

College of the Arts

Sabyasachi Mitra, Ph.D.

Warrington College of Business

A. Isabel Garcia, D.D.S., M.P.H.

College of Dentistry

Chimay Anumba, Ph.D.

College of Design, Construction and Planning

Glenn E. Good, Ph.D.

College of Education

Forrest J. Masters, Ph.D.

Interim, Herbert Wertheim College of Engineering

Nicole L. P. Stedman, Ph.D.

The Graduate School

Michael Reid, Ph.D.

College of Health and Human Performance

Andra Johnson, Ph.D.

IFAS Extension

Robert Gilbert, Ph.D.

IFAS Research

Marta L. Wayne, Ph.D.

International Center

Hubert Brown, M.A.

College of Journalism and Communications

Merritt McAlister, J.D.

Interim, Fredric G. Levin College of Law

David E. Richardson, Ph.D.

College of Liberal Arts and Sciences

Colleen G. Koch, M.D., M.S., M.B.A.

College of Medicine

Debra Lyon, Ph.D., R.N.

Interim, College of Nursing

Peter Swaan, Ph.D., M.Pharm.

College of Pharmacy

Beth A. Virnig, Ph.D., M.P.H.

College of Public Health and Health Professions

Dana N. Zimmel, D.V.M.

College of Veterinary Medicine

Judith C. Russell, M.S.

University Libraries

Jonathan Yorkowitz, M.A.

Interim, Dean of Students

COMMENCEMENT AGENDA – FRIDAY, AUGUST 11, 2:00 P.M.

Presiding	Ben Sasse <i>President</i>
Processional	UF Commencement Band
National Anthem	Anthony Offerle, <i>Vocalist</i> UF Commencement Band
Welcome	J. Scott Angle <i>Interim Provost and Senior Vice President for Academic Affairs</i>
Introductions	J. Scott Angle
Commencement Address	Damon L. Woodard <i>Director, Florida Institute for National Security</i>
Presenting Candidates for Degrees	J. Scott Angle
Conferring of Degrees	Danaya Wright <i>Member, UF Board of Trustees</i>
Recognition of Graduates	
Closing Remarks	Ben Sasse
Alma Mater	Anthony Offerle UF Commencement Band
Recessional and Postlude	UF Commencement Band

Graduates present through the end of the ceremony will receive a special keepsake as they exit.

Commencement Speaker

Damon L. Woodard, Ph.D.

Director of the Florida Institute for National Security (FINS), Herbert Wertheim College of Engineering

Dr. Woodard currently serves as the Director of FINS, which focuses on applying artificial intelligence and data science to national security challenges. He is a professor in the Electrical and Computer Engineering Department at the University of Florida and directs the Applied Artificial Intelligence Group. He is an IEEE Senior Member, an ACM Senior Member, a National Academy of Science Kavli Frontiers Fellow, and an Association for the Advancement of Artificial Intelligence member.

Born and raised in New Orleans, La., Dr. Woodard's educational background is atypical for someone with a career in higher education. Due to difficult childhood circumstances, he dropped out of school in the ninth grade, eventually passing the GED exam. After working two years as an auto mechanic, he attended Tulane University's night school program to pursue a degree in Computer Information Systems and later was accepted into Tulane University's College of Engineering to pursue a Bachelor of Science degree in computer science graduating as a double major in 1997.

Dr. Woodard continued his education by pursuing a Master of Engineering in computer science and engineering at the Pennsylvania State University and a doctorate in the same disciplines at the University of Notre Dame, becoming the first Black American ever to obtain a doctorate in computer science and



engineering from the institution. During his graduate studies, the events of September 11, 2001, played a prominent role in shaping his academic career, leading him to focus his research on biometrics — the use of physiological or behavioral characteristics to establish identity automatically.

After graduation, he was awarded a Director of Central Intelligence fellowship to continue conducting biometrics research and began his professional academic career at Clemson University. He was one of the founding members of the Office of the Director of National Intelligence's Center for Advanced Studies in Identity Science, an intelligence community center of academic excellence. Joining the University of Florida in 2015, Dr. Woodard's research interests include applied artificial intelligence and biometrics/identity science.

GRADUATE SCHOOL

NICOLE L. P. STEDMAN, PH.D., ASSOCIATE PROVOST AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

David Leonardo Acevedo

Major: *Curriculum and Instruction*

Dissertation: *Historia e identidad: How First-Generation Latine Parents in West-Central Florida Experience Ethnic Nullification through History Curriculum*

Dissertation Chair: C. L. Busey

Dissertation Co-chair: C. C. Coleman-King

Rabin Yu Acharya

Major: *Electrical and Computer Engineering*

Dissertation: *Design and Application of Evolutionary Algorithms for Hardware Security*

Dissertation Chair: D. J. Forte

Liliana L. Acosta

Major: *School Psychology*

Dissertation: *The Intersectionality of Sex, Race, and Ethnicity in Externalizing, Internalizing, and Adaptive Symptoms in Youth with ASD, ADHD, and Comorbid ASD/ADHD*

Dissertation Chair: N. L. Waldron

Johnny L. Adams

Major: *Physics*

Dissertation: *Dynamics of ^3He at Ultra Cold Temperatures*

Dissertation Chair: N. S. Sullivan

Carole Ahossin

Major: *Sociology*

Dissertation: *Marriage and Integration: Exploring the Perceptions of Belonging of Black African Immigrants in the United States*

Dissertation Chair: N. Vargas

Tolulope Oyenike Ajayi

Major: *Biomedical Engineering*

Dissertation: *Application of Imaging Modalities and Animal Models to Advance Nanoparticle Technologies for Osteoarthritis*

Dissertation Chair: B. Sharma

Dissertation Co-chair: K. Allen

Vicken Gerard Aknadibossian

Major: *Plant Pathology*

Dissertation: *Exploring Citrus Transcriptomic Alterations Induced by Citrus Tristeza Virus Infection and Characterizing the Citrus Tristeza Virus Symptom Determinant Protein p33*

Dissertation Chair: S. Y. Folimonova

Othman Khalid Alanquri

Major: *Civil Engineering*

Dissertation: *Field Evaluation of Mass Concrete Specifications to Prevent an Early-Age Cracking*

Dissertation Chair: M. Tia

Gilles Albeaino

Major: *Design, Construction and Planning*

Dissertation: *Exploring Human-Robot Interaction Proxemics in Construction*

Dissertation Chair: R. R. Issa

Dissertation Co-chair: M. Gheisari

Matthew Jerome Albrecht

Major: *Anthropology*

Dissertation: Success and Survival Amidst Novel Change: Examining Restaurant Supply Networks during the COVID-19 Pandemic

Dissertation Chair: C. McCarty

Dissertation Co-chair: J. C. Johnson

Jasser Shaman Alfridi

Major: *Agricultural Education and Communication*

Dissertation: Environmental and Cultural Factors that Contribute to International Graduate Students' Motivation to Pursue a Degree in Agriculture in the U.S.

Dissertation Chair: N. L. P. Stedman

Abdulmajeed Mohammad Alghamdi

Major: *Mechanical Engineering*

Dissertation: Thermodynamic and Exergoeconomic Analyses and Modeling of a Novel Absorption Cogeneration Systems with an Adjustable Cooling-to-Power Ratio

Dissertation Chair: S. A. Sherif

Raed Ibrahim M. Alharbi

Major: *Computer Science*

Dissertation: Information Integrity: From a Lens of Explainable AI with Cultural and Social Behaviors

Dissertation Chair: M. T. Thai

Mohammed Jamil A. Almoslem

Major: *Pharmaceutical Sciences— Pharmaceuticals*

Dissertation: Pharmacokinetic and Pharmacodynamic Modeling for Optimizing Combination Therapy

Dissertation Chair: S. Schmidt

Dissertation Co-chair: V. Vozmediano Esteban

Abdullah Abdulaziz Alomar

Major: *Entomology and Nematology*

Dissertation: The Interactive Effects of Juvenile Hormone Analogs and Environmental Factors on Mosquito Phenotypic Traits and Susceptibility to Arbovirus Infection

Dissertation Chair: B. W. Alto

Amobichukwu Chukwudi Amanambu

Major: *Geography*

Dissertation: Drought, Dam and Dredging Impacts on the Upper Apalachicola River and Floodplain

Dissertation Chair: J. Mossa

Yuting An

Major: *Health and Human Performance*

Dissertation: Exploring Factors Influencing Risk Reduction Behavior of Tourists' in Natural Disasters

Dissertation Chair: A. P. Kirilenko

Molly Cassandra Anderson

Major: *Geology*

Dissertation: Petrogenesis of the 8° 20' N Seamount Chain: Modeling Mantle Heterogeneity and Melting in the Near-Ridge Environment

Dissertation Chair: S. M. Elardo

Sarah Anderson

Major: *Entomology and Nematology*

Dissertation: Consequences of Climate Change for Plant-Pollinator Interactions Including a Specialized Pollination System

Dissertation Chair: R. Mallinger

Samuel Anyaso-Samuel

Major: *Biostatistics*

Dissertation: Advances in Cluster-Correlated Data Analysis when Cluster Size Is Informative

Dissertation Chair: S. Datta

David Joseph Ariando

Major: *Electrical and Computer Engineering*

Dissertation: Portable and Autonomous Magnetic Resonance Apparatus for NMR/MRI Field Applications

Dissertation Chair: S. Bhunia

Fernando Aristizabal

Major: *Agricultural and Biological Engineering*

Minor: *Computer Science*

Dissertation: High Resolution Flood Inundation Mapping from Remote Sensing Observations and Hydrology Models at Continental Scales

Dissertation Chair: J. Judge

Palak Arora

Major: *Mathematics*

Dissertation: Factorization and Approximation Problems for Free Polynomials

Dissertation Chair: M. T. Jury

Dissertation Co-chair: S. A. McCullough

Jill Terese Babor

Major: *Microbiology and Cell Science*

Dissertation: Advancing Knowledge of Vitamin B₆ Metabolism through the Study of Disruption Phenotypes in *Escherichia coli* K12

Dissertation Chair: V. A. de Crécy

Diliara Bagautdinova

Major: *Mass Communication*

Dissertation: Healthy Identity Development in Adolescent and Young Adult (AYA) Oncology: Enhancing Family and Clinician Communication to Buffer AYAs' Identity Distress and Promote Psychosocial Development

Dissertation Chair: C. L. Fisher

Sabyasachi Bandyopadhyay

Major: *Biomedical Engineering*

Dissertation: Deep Representation Learning for Assessing Cognitive Health in Vulnerable Patient Populations

Dissertation Chair: P. Rashidi

Izailda Barbosa dos Santos

Major: *Entomology and Nematology*

Dissertation: Ecology and Genetics of Noctuid Pests in the Florida Panhandle

Dissertation Chair: S. Vieira de Paula-Moraes

Ernesto Bastos Viveiros de Castro

Major: *Interdisciplinary Ecology*

Dissertation: A Path to Nature Conservation: The Role of Mega Trails in Connecting Hikers, Communities, and Landscapes

Dissertation Chair: T. V. Stein

Corey R. Bathurst

Major: *Physics*

Dissertation: Low-Background Science with the next Generation SuperCDMS HV(eV) Dark Matter Detector

Dissertation Chair: T. Saab

Christopher Becker

Major: *Philosophy*

Dissertation: The Value of Work

Dissertation Chair: J. Ahlberg

Michael W. Belitz

Major: *Zoology*

Dissertation: Insects in a Changing World: Life History Traits and Thermal Niche Condition Responses to Climate and Urbanization

Dissertation Chair: R. P. Guralnick

Brian Kevin Bennett

Major: *Design, Construction and Planning*

Dissertation: Increasing Knowledge of Scheduling Activity Sequencing in Construction Management Education Using Interactive Gaming Models

Dissertation Chair: R. R. Issa

Aljazi Mohammed Bin Zarah

Major: *Nutritional Sciences*

Dissertation: Assessing the Relationship between Kidney Risk Factors and Estimated Glomerular Filtration Rate among US Adults

Dissertation Chair: J. M. Andrade

Shelby Marie Boehm

Major: *Curriculum and Instruction*

Minor: *Women's Studies*

Dissertation: A Study of Playful Literacies in a High School English Classroom

Dissertation Chair: A. M. Kohnen

Markia Thomasina Bowe

Major: *Biomedical Engineering*

Dissertation: Clarifying the Role of Subchondral Bone Remodeling in Preclinical Models of Rodent Osteoarthritis

Dissertation Chair: K. Allen

Jonathan Gabriel Bradley-Thrush

Major: *Mathematics*

Dissertation: Symmetries in the Theory of Basic Hypergeometric Series

Dissertation Chair: F. G. Garvan

Eleanor Jane Brant

Major: *Agronomy*

Dissertation: Gene Editing for Altered Leaf Inclination Angle in Sugarcane and Sorghum

Dissertation Chair: F. Altpeter

Ryan G. Braun

Major: *Curriculum and Instruction*

Dissertation: Mad Men in the Academy: Masculinity and Gun Violence in American Higher Education

Dissertation Chair: S. G. Terzian

Ronell Shamir Hemsley Bridgemohan

Major: *Soil, Water, and Ecosystem Sciences*

Dissertation: Assessing the Flux: A Time-Space Journey into Aquatic Fecal Microbe and Nutrient Dynamics in Subtropical Mixed-Use Coastal Watersheds

Dissertation Chair: M. Deitch

Marcus A. Briggs-Cloud

Major: *Interdisciplinary Ecology*

Dissertation: *Hopuetak-Cakaksekat Pum Oponvkv Pun Fulletv Svpeyepetayat Vrahkv: (So That Unborn Generations May Carry on Our Language and Culture) A Maskoke Holistic Decolonization and Reindigenization Paradigm Shift at the Intersections of Ecology, Linguistics, Genetics, Ecofeminism and Theology*

Dissertation Chair: M. Brenner

Dissertation Co-chair: K. E. Sassaman Jr.

Andrew V. Brooks

Major: *Physics*

Dissertation: Fundamentals of Charge Transport in Nonconventional Semiconductors

Dissertation Chair: X. Zhang

Amy Michelle Brown

Major: *Agricultural Education and Communication*

Dissertation: Redefining Stoicism: How Crisis and Disaster Leaders Demonstrate Positive Behaviors Found in the Ancient Philosophy

Dissertation Chair: N. L. P. Stedman

Anna Caroline Buchanan

Major: *Soil, Water, and Ecosystem Sciences*

Dissertation: Speciation of the Dissolved, Particulate and < 0.45 Micron Particulate Phosphorus (P) Entering and Leaving Everglades Stormwater Treatment Areas (STAs) and Implications for Downstream P Flux

Dissertation Chair: J. Judy

Fred W. Buhl

Major: *Computer Science*

Dissertation: Conversation and Emotion: Classification and Synthesis of Non-Speech Vocal Bursts

Dissertation Chair: A. Rangarajan

Aysegul Beyza Bumin

Major: *Computer Science*

Dissertation: Efficient Stochastic Optimization Algorithms for Convex, Non-Convex Problems

Dissertation Chair: K. Huang

Natalie Rose Burns

Major: *Statistics*

Dissertation: Bayesian Nonparametric Models for Flexible Trajectories and Related Outcomes

Dissertation Chair: M. J. Daniels

Sarah Mallory Burns

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Design and Synthesis of Novel Sigma-1 Receptor Ligands for the Treatment of Chronic Pain

Dissertation Chair: C. R. McCurdy

Taylor M. Burtch

Major: *Higher Education Administration*

Dissertation: "Choice" for Whom?: Three Essays on Marginalized Students' Postsecondary Pathways

Dissertation Chair: B. T. Skinner

Caitlin J. Campbell

Major: *Zoology*

Dissertation: New Methods to Understand the Patterns and Consequences of Animal Migration in a Changing World

Dissertation Chair: H. B. Vander Zanden

Talia Rose Campese

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Novice Reading Teachers' Experience with and Perception of Professional Learning Activities

Dissertation Chair: H. B. Lane

Montserrat Carrera Seoane

Major: *Health and Human Performance*

Dissertation: Pilot Testing a Brief Intervention to Address Non-Evidence-Based Weight Loss Strategies on Social Media among Immigrant Hispanic Students

Dissertation Chair: M. A. McVay

Erica Watson Carter

Major: *Plant Pathology*

Dissertation: The Protein Interactome of *Candidatus Liberibacter asiaticus*

Dissertation Chair: N. Wang

Oscar Gonzalo Castillo Romero

Major: *Agricultural and Biological Engineering*

Dissertation: Spatio-temporal Analysis of In-Season Yield Forecasting Using Crop Simulation Models

Dissertation Chair: G. Hoogenboom

Erta Cenko

Major: *Epidemiology*

Dissertation: Associations of Age-related Cognitive Changes with Physical and Social Activity in Older Adults

Dissertation Chair: T. A. Pearson

Dissertation Co-chair: T. M. Manini

Hyesoo Chang

Major: *Mass Communication*

Dissertation: An Examination of Strategic Approaches of E-cigarette Cessation Messages to Promote E-cigarette Cessation

Dissertation Chair: C. R. Morton Padovano

Kanglin Chen

Major: *Design, Construction and Planning*

Dissertation: After Travel Stabilization following COVID-19: Americans' Multi-Dimensional Travel Adaptation and Its Association with Social Vulnerability and Built Environment

Dissertation Chair: R. L. Steiner

Xiangru Chen

Major: *Electrical and Computer Engineering*

Dissertation: Architecture Support for Increasing the Usability of Edge Intelligence

Dissertation Chair: S. Ray

Jonathan Joseph Chiarella

Major: *Political Science*

Dissertation: Middle Powers of the Western Pacific, Intra-Elite Discourse, and States' Perceptions

Dissertation Chair: Z. A. Selden

Yoon Jin Choi

Major: *Health and Human Performance*

Dissertation: Enhancing Gait and Balance in Essential Tremor: The Effectiveness of Neurostimulation on Mitigating Tremor and Discoordination

Dissertation Chair: E. A. Christou

Lisa Chong

Major: *Fisheries and Aquatic Sciences*

Dissertation: Evaluation of the Uncertainties on Social-Ecological Components of Fisheries with Artificial Reefs

Dissertation Chair: E. V. Camp

Kayan Alaiki Clarke

Major: *Public Health*

Dissertation: Assessing the Vulnerability of Early Childhood Growth to Prenatal Air Pollution Exposure in East Africa

Dissertation Chair: T. L. Sabo-Attwood

Luis Jonathan Clavijo Herrera

Major: *Horticultural Sciences*

Dissertation: Influence of Rootstocks on Scion's Performance under Subtropical Climate and Their Impact on Bud Break

Dissertation Chair: A. Sarkhosh

Dissertation Co-chair: L. Rossi

Ogoudele Simon Codjo

Major: *Food and Resource Economics*

Minor: *Statistics*

Dissertation: Behavioral Determinants of Food Calorie Content Perception and Food Intake

Dissertation Chair: H. Khachatryan

Dissertation Co-chair: B. Kassas

Sarah Lynn Collins

Major: *Public Health*

Dissertation: Investigating the Role of Critical Race Theory and Antiracist Praxes in Public Health Education

Dissertation Chair: M. D. Moorhouse

Harrison Livingston Joseph Coombes

Major: *Physics*

Dissertation: Simulating the Detector Response and Producing Long-Term Sensitivity Projections for the SuperCDMS Experiment

Dissertation Chair: T. Saab

Natalie Anne Cooper

Major: *Forest Resources and Conservation*

Dissertation: Stakeholder Identities, Communication, and Engagement with Science in a Context of Water Resource Conflict in North Florida

Dissertation Chair: M. C. Monroe

Marina Cuartero Marco

Major: *Romance Languages—Spanish*

Dissertation: Exploring Heritage Language Learning: The Influence of Context, Community, and Self on Motivation and Attitudes

Dissertation Chair: D. Pascual y Cabo

Alexandra E. Cuaycal

Major: *Microbiology and Cell Science*

Dissertation: *Lactobacillus johnsonii* N6.2-Purified Lipids as Bioactive Components of Immunoregulation

Dissertation Chair: C. F. Gonzalez

Matthew August Cullen

Major: *Plant Pathology*

Dissertation: Applied Genetics and Epidemiology of *Fusarium oxysporum* Forma Specialis *niveum*, the Causative Agent of Fusarium Wilt of Watermelon

Dissertation Chair: N. S. Dufault

Federico Cunha

Major: *Animal Molecular and Cellular Biology*

Dissertation: Understanding the Role of *Helcococcus ovis* in the Pathogenesis of Metritis Using an Invertebrate Model and Pangenome Analysis

Dissertation Chair: K. N. Galvão

Dissertation Co-chair: M. B. Brown

Andreana Simone Cunningham

Major: *Anthropology*

Dissertation: Reframing Diaspora: Southeastern African Contributions to Biosocial Variation in Atlantic Afro-Descendant Groups

Dissertation Chair: V. B. DeLeon

Danilo Rodrigues da Silva

Major: *Microbiology and Cell Science*

Dissertation: *Lactobacillus johnsonii* N6.2-Derived Extracellular Vesicles as Mediators of Cellular Immune Antiviral Response

Dissertation Chair: G. L. Lorca

Khoa Xuan Dang

Major: *Chemistry*

Dissertation: Supramolecular Aggregates of Magnetic Molecules and the Use of Pyrazole in Molecular Manganese-oxo Clusters

Dissertation Chair: G. Christou

Osama Dasa

Major: *Epidemiology*

Dissertation: The Epidemiology of Racial Disparities in COVID-19 Outcomes: A Multidimensional Analysis

Dissertation Chair: T. A. Pearson

Maria Teresa Davidson

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Enhancing Seed Production of Regionally Adapted Crops in the Southeastern Farmer Seed System

Dissertation Chair: H. E. Pérez

Dissertation Co-chair: J. Ruiz

Andrew Evan Davis

Major: *Physics*

Dissertation: Non-Fermi Liquid Physics and Chaos in Yukawa-SYK Models

Dissertation Chair: Y. Wang

Ke Aira Tashlin Davis

Major: *Microbiology and Cell Science*

Dissertation: Phenotypic Characteristics and Physiology of *Streptococcus mutans* when Grown Using Two Models of Simulated Microgravity

Dissertation Chair: K. C. Rice

Emily Marguerite Davison

Major: *Youth Development and Family Sciences*

Dissertation: Associations between School Resource Officers and Student Disciplinary Outcomes for Public School Students in the United States

Dissertation Chair: S. D. Lynne

DeVant'e Duran Dawson

Major: *Interdisciplinary Ecology*

Dissertation: Investigating Potential Bioindicators of Health and Environmental Stress in the Cnidarian Holobiont Experiencing Multiple Stressors

Dissertation Chair: J. Meyer

Aline de Camargo Santos

Major: *Horticultural Sciences*

Dissertation: Understanding Priming and Stress Memory to Improve Water Use Efficiency in Peanut

Dissertation Chair: B. A. Schaffer

Elizabeth Delgado

Major: *Genetics and Genomics*

Dissertation: Gene Therapeutics: Self-Limiting Proteins for Hereditary Disease

Dissertation Chair: E. T. Wang

Dissertation Co-chair: J. A. Berglund

Natalie J. DelRocco

Major: *Biostatistics*

Dissertation: Two Contributions to Statistical Improvement of Clinical Research

Dissertation Chair: S. S. Wu

Dissertation Co-chair: J. A. Kairalla

Johanna Anne Depenthal

Major: *Forest Resources and Conservation*

Dissertation: Changes in Chicle Production and Relationships with the Forest in the Yucatán Peninsula, Mexico

Dissertation Chair: K. A. Kainer

Catherine Dion

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Contributions of Cardiovascular Burden, Peripheral Inflammation, and Depth of Anesthesia Variability on the Perioperative Cognitive Trajectory of Older Adults Receiving Total Knee Arthroplasty

Dissertation Chair: C. E. Price

Rachel V. DiSesa

Major: *Agricultural Education and Communication*

Dissertation: Interprofessional Education Programs: Identifying Communication and Teamwork Behaviors in Veterinary Medicine Students

Dissertation Chair: C. E. Suarez

Vivian Doerr

Major: *Health and Human Performance*

Dissertation: The Role of Ferroptosis and Cellular Senescence in Doxorubicin-Induced Cardiorespiratory Dysfunction and Exercise Protection

Dissertation Chair: A. J. Smuder

Megan Donovan

Major: *Interdisciplinary Ecology*

Dissertation: Advancing Protected Agriculture as a Climate Risk Mitigation Strategy in the Southern United States

Dissertation Chair: S. J. Smidt

Dissertation Co-chair: R. K. Reddy

Fabiana Cristina Dos Santos

Major: *Nursing Sciences*

Dissertation: Analysis of EHR-Driven Standardized Nursing Data to Evaluate the Impact of Spiritual Care on the Comfort of Cancer and Chronically Ill Patients

Dissertation Chair: G. M. Keenan

Dissertation Co-chair: T. Gonçalves Rezende Macieira

Collin M. Douglas

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Use of a Novel, Optimized Approach to Investigate Nanoscale Sarcomere Structural Changes across Models of Muscle Weakness

Dissertation Chair: K. A. Esser

Lauren Elizabeth Dreisch

Major: *School Psychology*

Dissertation: Examining the Potential of Executive Function and Social Skills Interventions for Youth with Emotional and Behavioral Problems

Dissertation Chair: J. D. Splett

Hanxiang Du

Major: *Curriculum and Instruction*

Dissertation: Understanding Students' Misconceptions in a High School Data Science Foundation Course

Dissertation Chair: W. Xing

Xinsong Du

Major: *Medical Sciences—Biomedical Informatics*

Dissertation: Reproducible Computational Workflow for Liquid Chromatography-High Resolution Mass Spectrometry Metabolomics Data Processing

Dissertation Chair: D. Lemas

Pearl O. Ebea-Ugwuanyi

Major: *Nutritional Sciences*

Dissertation: The Influence of an Optimized Four Amino Acid Formulation on Intestinal Iron Absorption and the Role of DMT1 in High Dietary Iron Induced Copper Deficiency in Rodent Models of Iron Deficiency

Dissertation Chair: J. F. Collins

Michelle Ann Ehrenberger

Major: *Chemistry*

Dissertation: Biosynthesis of Terpenoid Natural Products—From Scaffold Synthesis to Functionalization

Dissertation Chair: J. D. Rudolf

Rita Elias

Major: *Design, Construction and Planning*

Dissertation: Artificial Neural Network-Based Generative Design Optimization of the Energy Performance of Florida Single-Family Houses

Dissertation Chair: R. R. Issa

Dorothy DeMore Ellis

Major: *Biostatistics*

Dissertation: Kullback-Leibler Non-Negative Matrix Factorization Methods for the Analysis of Multimodal Single-Cell Omics Data

Dissertation Chair: S. Datta

Lobna Abdelmageed Elsadek

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Unlocking Nature's Specialized Metabolites: Discovery, Synthesis, Target Identification and Mechanisms of Action of New Bioactive Agents from Marine Cyanobacteria

Dissertation Chair: H. Luesch

Lisa Ellen Emerson

Major: *Microbiology and Cell Science*

Dissertation: Protective Immune Responses Generated from Antigen-Containing Extracellular Vesicles

Dissertation Chair: M. J. Ferraro

Adesuwa Sylvia Erhunmwunse

Major: *Soil, Water, and Ecosystem Sciences*

Dissertation: Soil Microbial Diversity and Community Composition and Associated Nutrient Cycling Activities in Rhizoma Peanut-Based Bahiagrass Pastures across Florida

Dissertation Chair: H. Liao

Dissertation Co-chair: A. V. Ogram

Gina T. Eubanks

Major: *Medical Sciences—Health Outcomes and Policy*

Dissertation: Patient and Provider Characteristics Associated with Guideline Concordant Metabolic Screening and Monitoring among Adults Prescribed a Second-Generation Antipsychotic

Dissertation Chair: M. J. Gurka

Dominique Alisa Fairley

Major: *Sociology*

Dissertation: Transcending Race and Place by Exploring Queer Space: Navigating Judgement and Discrimination in Lived Realities of Queer and/or Transgender Black, Indigenous, and People of Color

Dissertation Chair: R. A. Hanson

Anna Liner Farmer

Major: *Psychology*

Dissertation: Neural Correlates of Restricted, Repetitive Behavior

Dissertation Chair: M. H. Lewis

Pedro Guillermo Feijóo García

Major: *Human-Centered Computing*

Dissertation: Virtual Humans Co-Design and the Effect of Designers' Legacy in the Promotion of Mental Health Conversations

Dissertation Chair: B. Lok

Sina Feizbakhsh Bazargani

Major: *Chemistry*

Dissertation: Integration of LC-MS Untargeted Metabolomics Approaches In Exploring Disease Diagnosis, Metabolic Alteration, and Treatment Discovery

Dissertation Chair: T. J. Garrett

Erin Gabrielle Ferguson

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Impact of Delayed Onset Muscle Soreness on Demand for Alcohol and Cannabis among Co-Users

Dissertation Chair: J. Boissoneault

Dissertation Co-chair: M. E. Robinson

Ethan Gregory Fisher

Major: *Chemistry*

Dissertation: Molecular Approach to Mixed-Metal Oxides: Atomically-Precise Models for Complex Metal Oxide Materials

Dissertation Chair: G. Christou

Cameron Evan Wilson Fraize

Major: *Mathematics*

Dissertation: Aspects of Algorithmically Random Objects

Dissertation Chair: D. Bartosova

Alexis Morgan Freeman

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Creating Liberatory Practice through Liberatory Movement: The Use of Creative Black Storytelling as Linguistic Liberation

Dissertation Chair: H. B. Lane

Dissertation Co-chair: K. Bhattacharya

Minmo Gahng

Major: *Business Administration—Finance*
Dissertation: Essays on Financial Economics
Dissertation Chair: J. R. Ritter
Dissertation Co-chair: A. Naranjo

Huan Gao

Major: *Curriculum and Instruction*
Dissertation: Transcultural Information Literacies: Multilingual International Students Navigating Online Information
Dissertation Chair: A. M. Kohnen
Dissertation Co-chair: D. Fu

Jiameng Gao

Major: *Curriculum and Instruction*
Dissertation: Portrait as a Bilingual: An Arts-Based Approach to Language Experiences of Bilingual Mainstream Teacher Candidates in the United States
Dissertation Chair: M. B. Pacheco

Prerak Garg

Major: *Astronomy*
Dissertation: Modeling Nebular Emission in Cosmological Galaxy Formation Simulations
Dissertation Chair: D. T. Narayanan

Kaitlin Marie Gattoni

Major: *Entomology and Nematology*
Dissertation: Community Assembly of Nematode and Microbial Communities in the Western Nebraska Sandhills Is Dependent on Habitat Type and Deterministic Processes
Dissertation Chair: D. L. Porazinska

Nicholas Gengler

Major: *Interdisciplinary Ecology*
Dissertation: A Global Examination of the Spatial Extent of Landscape Effects and a Regional Examination of How Climate Effects Vary across Trophic Levels
Dissertation Chair: L. C. Branch
Dissertation Co-chair: M. A. Acevedo Torres

Mohammed Fawzi A. Gholam

Major: *Medical Sciences—Physiology and Functional Genomics*
Dissertation: Efficacy of Antidiabetic Drugs in Normalizing Blood Pressure in Hypertensive Diabetic Animals and Novel Mechanisms in the Distal Nephron
Dissertation Chair: A. Alli

James J. Gillespie

Major: *Philosophy*
Dissertation: An Agent-Centered Theory of Epistemic Rationality
Dissertation Chair: J. I. Biro

Julian Ginori

Major: *Horticultural Sciences—Environmental Horticulture*
Dissertation: Characterization of Abiotic Stress Response in *Begonia* and Its Use in Breeding
Dissertation Chair: H. Huo
Dissertation Co-chair: S. B. Wilson

Megan Elizabeth Glassell

Major: *Medical Sciences—Medical Physics*
Dissertation: Evaluating Patient Skin Dose and Physician Dose in a Hybrid Computed Tomography/Angiography Suite
Dissertation Chair: B. C. Schwarz
Dissertation Co-chair: L. N. Rill

James David Goldschmidt

Major: *Aerospace Engineering*
Dissertation: Experimental Investigation of the Unsteady Noise Sources Generated by a UAM Rotor in Forward Flight
Dissertation Chair: L. S. Ukeiley

Valentina Gomez Campuzano

Major: *Chemistry*

Dissertation: [2.2]Paracyclophanes as a Platform to Synthesize Star Polymers and Supramolecular Bottle-Brushes and Structure Property Relationships in Self-Assembling [n.n]Paracyclophanes and Benzotrifurans

Dissertation Chair: R. K. Castellano

Cady Marie Gonzalez

Major: *Anthropology*

Dissertation: Hospitality by Design: *Jebena Buna*, Public Toilets, and State Power in Urban Ethiopia

Dissertation Chair: M. T. Østebø

Dissertation Co-chair: B. H. Chalfin

Sarathy Kannan Gopalakrishnan

Major: *Materials Science and Engineering*

Dissertation: Manipulation of Electrochemically Engineered Micro- and Nanoscale Patterns for Characterizing and Enhancing Surface Properties

Dissertation Chair: B. P. Gila

Dissertation Co-chair: K. J. Ziegler

Joseph William Graham

Major: *School Psychology*

Dissertation: Being Well: An Examination of Subjective Teacher Well-Being and Unintentional Bias

Dissertation Chair: J. D. Splett

Sarah Michelle Greif

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Relationship between Aerobic Exercise, Mature Brain Derived Neurotrophic Factor, and Neuropsychological Functioning Following Structured Exercise in Mild Traumatic Brain Injury

Dissertation Chair: K. A. Driscoll

Dissertation Co-chair: A. R. Snyder

Charles Cate Grigsby-Calage

Major: *Food and Resource Economics*

Dissertation: The Impact of Dollar Stores on U.S. Food Retail Structure, Food Access, and Grocery Store Competition

Dissertation Chair: C. Mullally

Jiatong Guo

Major: *Chemistry*

Dissertation: Structure-Activity Relationship Analysis of Oligosaccharide Antigens and Immunological Studies of New Synthesized Conjugate Adjuvants for Vaccine Development

Dissertation Chair: Z. Guo

Julien Charles Habif

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: The Role of ARL13B in Olfactory Sensory Neurons

Dissertation Chair: J. R. Martens

Fei He Hagan

Major: *Food and Resource Economics*

Dissertation: Farm-Scale and Regional Economic Implications of Agricultural Land Management Decisions in the Floridan Aquifer Region

Dissertation Chair: C. Court

Dissertation Co-chair: T. Borisova

Cassidy Blair Haigh

Major: *Criminology, Law, and Society*

Dissertation: An Empirical Test of Forensic Confirmation Bias in the Prosecution Context

Dissertation Chair: L. M. Levett

Zuhair Mian Haleem

Major: *Public Health—Health Services Research*

Dissertation: Impact of State-Level Excise Taxes on Electronic Nicotine Delivery System (ENDS) Usage

Dissertation Chair: S. K. Datta

Sarah Rose Hamilton

Major: *Materials Science and Engineering*

Dissertation: Materials and Manufacturing Study of Uranium Mononitride/Zirconium Carbide CERCER Composites for Use in Space Nuclear Propulsion

Dissertation Chair: V. M. Miller

Michael P. Hanna

Major: *Chemistry*

Dissertation: The Deoxy Code: Uncovering the Mechanisms that Control Human Ribonucleotide Reductase Allosteric Regulation

Dissertation Chair: M. Harris

Cheshire Hardcastle

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Association of Speed-of-Processing Performance and Training with Higher-Order Resting State Networks in Healthy Older Adults

Dissertation Chair: A. J. Woods

Rachel M. Hartnett

Major: *English*

Dissertation: Base Camp Literature: U.S. Invisible/Hyperpresence in Foreign Occupations

Dissertation Chair: M. J. Schueller

Mohsen Hatami

Major: *Design, Construction and Planning*

Dissertation: Deep Reinforcement Learning for Intelligent Control and Optimization of Truck Allocation in Open Pit Mines

Dissertation Chair: I. Flood

Matthew Robert Hauserman

Major: *Microbiology and Cell Science*

Dissertation: *Staphylococcus aureus* Quorum Sensing Response to Spaceflight and Simulated Microgravity

Dissertation Chair: K. C. Rice

Hongjia He

Major: *Veterinary Medical Sciences*

Dissertation: Equine Unicompartmental Stifle Arthroplasty: Functions and Implant Design

Dissertation Chair: A. H. Biedrzycki

Pan He

Major: *Computer Science*

Dissertation: Deep Learning on Spatiotemporal Point Cloud Modeling for Motion and Correspondence

Dissertation Chair: S. Ranka

Dissertation Co-chair: A. Rangarajan

Han Hu

Major: *Chemistry*

Dissertation: Biochemical Analysis of Substrate and Effector Nucleotide Functional Groups Involved in Allosteric Regulation and Inhibition Assay of Class II Ribonucleotide Reductase of *Pseudomonas aeruginosa*

Dissertation Chair: M. Harris

Jinsheng Huang

Major: *Agricultural and Biological Engineering*

Dissertation: Removal of Emerging Contaminants from Water and Wastewater by Engineered Biochar

Dissertation Chair: B. Gao

Pao-Yin Huang

Major: *Counseling and Counselor Education*

Dissertation: "It Feels like You Are Isolated": Explore the Ruling Relations in the Name of Promoting Diversity, Equity, Inclusion, and Belonging through Asian International School Counseling Students in CACREP-Accredited Programs

Dissertation Chair: L. Haynes-Thoby

Dissertation Co-chair: J. Swank

Rusong Huang

Major: *Philosophy*

Dissertation: Mental Anti-Representationalism: Prospects for a Noncognitivist Account of Psychological Discourse

Dissertation Chair: G. Witmer

Indah Badriyyah Huegele

Major: *Botany*

Dissertation: The Rise and Fall of Platanaceae: Putting Together Pieces of a 100-Million-Year-Old Story

Dissertation Chair: S. R. Manchester

Ellen A. Humbel

Major: *Zoology*

Dissertation: Courtship and Communication in Jumping Spiders: A Sensory Ecology Perspective

Dissertation Chair: R. T. Kimball

Dissertation Co-chair: L. A. Taylor

Joshua Clayton Hurdle

Major: *Agricultural Education and Communication*

Dissertation: Answering the Call to Academic Leadership: An Exploration of How Emerging Leaders in Higher Education Are Prepared for Serving as University Administrators

Dissertation Chair: N. L. P. Stedman

Loc Tien Huynh

Major: *Chemistry*

Dissertation: Exploring Biochemical Activity and Structure of Ribonuclease P from Pathogenic Bacteria and Applying Its Understanding to High-Throughput Screening of Small-Molecule Inhibitors

Dissertation Chair: M. Harris

Rachel L. Hybart

Major: *Biomedical Engineering*

Dissertation: Neuromechanical and Metabolic Adaptation to Bilateral Myoelectric-Controlled Robotic Lower Limb Exoskeletons

Dissertation Chair: D. P. Ferris

Jessica Joanne Inman

Major: *Higher Education Administration*

Dissertation: A Scale of Environmental Factors to Explore Learning in College Union Facilities

Dissertation Chair: C. Haynes

Noelle Alise Jacobsen

Major: *Biomedical Engineering*

Dissertation: Electrocortical Correlates of Human Locomotor Adaptation

Dissertation Chair: D. P. Ferris

Marshall S. Jaroch

Major: *Microbiology and Cell Science*

Dissertation: Expanding the Current Understanding of Gram-Positive Post Transcriptional Modifications of Transfer RNA

Dissertation Chair: V. A. de Crécy

Afnan M. Jauffer

Major: *Chemistry*

Dissertation: The Local Hydration Environment of *Bacillus subtilis* Lipase A

Dissertation Chair: G. E. Fanucci

Dissertation Co-chair: D. A. Savin

Pearis Lynae Jean

Major: *Counseling Psychology*

Dissertation: Responding: The SNAPS Decision-Making Model for Black Graduate Students and Early Career Professionals Facing Racism

Dissertation Chair: M. Heesacker

Dissertation Co-chair: R. L. Abreu

Alexander Douglass Jess

Major: *Chemical Engineering*

Dissertation: Tolerance Factor Guided Synthesis of Novel Chalcogenide Semiconductors for Optoelectronic Applications

Dissertation Chair: C. J. Hages

Aakanksha Jha

Major: *Biomedical Engineering*

Dissertation: Modulating Macrophage Function in Peg-Based Hydrogels through Utilization of Extracellular Matrix Derived- and Intracellular Protein Derived-Peptides

Dissertation Chair: E. M. Taylor

Chang Jiang

Major: *Biostatistics*

Dissertation: Exploring Neural Network Inference for Genetic Data Analysis: Techniques and Application

Dissertation Chair: Q. T. Lu

Meilin Jiang

Major: *Biostatistics*

Dissertation: Novel Causal Mediation Analysis Approaches

Dissertation Chair: Z. Li

Yerika Altagracia Jimenez Garcia

Major: *Human-Centered Computing*

Dissertation: An Exploration of Elementary Students Debugging Behaviors, Challenges, and Explanations in Scratch

Dissertation Chair: C. Gardner-McCune

Zhumengmeng Jin

Major: *Statistics*

Dissertation: Convergence Analysis of Markov Chain Monte Carlo Algorithms

Dissertation Chair: J. P. Hobert

Zeyuan Jing

Major: *Research and Evaluation Methodology*

Dissertation: Mixture Item Response Theory Model Selection with Hybrid Ant Colony Optimization Algorithm

Dissertation Chair: D. Miller

Maggie Marie Jones

Major: *Interdisciplinary Ecology*

Dissertation: Savannas in a Changing World: Effects of Environmental Change on Tree-Herbivore Interactions in African Savannas

Dissertation Chair: R. A. McCleery

Dissertation Co-chair: R. J. Fletcher

Lingsha Ju

Major: *Veterinary Medical Sciences*

Dissertation: Intergenerational Perioperative Neurocognitive Disorder

Dissertation Chair: A. E. Martynyuk

Dissertation Co-chair: P. S. Cooke

Charlotte Leonie Kaestner

Major: *Medical Sciences—Cancer Biology*

Dissertation: Targeting NSD2 in Hematologic Malignancies

Dissertation Chair: J. D. Licht

Philip Kang

Major: *Health and Human Performance*

Dissertation: Consumer Heuristics, Value and Risk Perception toward Sport Non-Fungible Token

Dissertation Chair: Y. J. Ko

Sanjib Katuwal

Major: *Physics*

Dissertation: Quantum Gravitational Corrections to Electromagnetism and Backreaction

Dissertation Chair: R. P. Woodard

Elizabeth Kerner

Major: *Psychology*

Dissertation: Examining Safety and Control Threats as Predictors of Gun Interest

Dissertation Chair: J. A. Shepperd

Hae-In Kim

Major: *Electrical and Computer Engineering*

Dissertation: Modeling of Metaconductor and Its Applications

Dissertation Chair: Y. K. Yoon

Jin-Hee Kim

Major: *Horticultural Sciences*

Dissertation: Genomic Characterization of a Major Locus Conferring Resistance against *Xanthomonas fragariae* in Strawberry (*Fragaria x ananassa*)

Dissertation Chair: S. Lee

Dissertation Co-chair: V. M. Whitaker

Taliesin Joaquin Kinser

Major: *Botany*

Dissertation: What Makes a Global Biodiversity Hotspot a Hotspot? The North American Coastal Plain and Its Endemic Pine Savannas

Dissertation Chair: D. E. Soltis

Tyler James Klatt

Major: *English*

Dissertation: Streaming Film and TV: Industries, Audiences, and Narratives in the Age of Big Tech and the Internet

Dissertation Chair: B. C. Menzel

Joshua Luke Konkol

Major: *Plant Pathology*

Dissertation: Characterizing *Harringtonia lauricola*'s Interactions with Susceptible Hosts through Microscopy, Genetics, Transcriptomics and Screening Germplasm for Disease Tolerance

Dissertation Chair: J. A. Rollins

Dissertation Co-chair: J. T. Brawner

Maryam Kouhirostami

Major: *Design, Construction and Planning*

Dissertation: Using Modular Housing to Reduce the Carbon Footprint of Residential Construction

Dissertation Chair: A. R. Chini

Dissertation Co-chair: R. Ries

Huan Kuang

Major: *Research and Evaluation Methodology*

Dissertation: Predicting Examinees' Competencies from Response Process Data with Deep Learning Models

Dissertation Chair: D. Miller

Dissertation Co-chair: A. C. Manley

Lydia Jane Kuebler

Major: *Materials Science and Engineering*

Dissertation: TEM Investigation of Al⁺-Implanted 4H-SiC Substrates during High Temperature Annealing

Dissertation Chair: K. S. Jones

Aniruddha Vinay Kulkarni

Major: *Chemical Engineering*

Dissertation: Study of Structure-Function Relationships for Innovative Applications through Nanoscale Self-Assembly

Dissertation Chair: K. J. Ziegler

Dissertation Co-chair: J. E. Butler

Andrea Mejia Kurasz

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Investigating Bilingualism as a Proxy of Cognitive Reserve and Its Underlying Compensatory Mechanism across the Cognitive Aging Spectrum

Dissertation Chair: G. E. Smith

Tae Yeon Kwon

Major: *Research and Evaluation Methodology*

Dissertation: Diagnostic Classification Modeling in the Presence of Read-Aloud Accommodation as a Universal Design

Dissertation Chair: A. C. Manley

Tirtha Lamichhane

Major: *Plant Pathology*

Dissertation: Mechanistic Understanding of *Xanthomonas citri* subsp. *citri* Facilitated Agroinfiltration of Citrus Leaves and Its Application in CRISPR Gene Editing of Citrus

Dissertation Chair: N. Wang

Stephanie Lapierre-Nguyen

Major: *Health and Human Performance*

Dissertation: Sex Differences in the Acute and Chronic Endothelial Responses to Aerobic Exercise in Older Adults

Dissertation Chair: D. D. Christou

Carolina Ruiz Le-Bert

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Anesthesia Physiology of Bottlenose Dolphins (*Tursiops truncatus*) and California Sea Lions (*Zalophus californianus*)

Dissertation Chair: L. R. Reznikov

Dissertation Co-chair: G. S. Mitchell

Megan Elizabeth LeBlanc

Major: *Anthropology*

Dissertation: Digging for Disasters: El Niño, Drought, and Floods on the Far Southern Coast of Perú

Dissertation Chair: S. D. deFrance

Kenneth Hong Kit Lee

Major: *Chemistry*

Dissertation: Iron/oxo and Cobalt/oxo Cluster Chemistry with Dimethylarsinate Ligands, and the Magnetostructural Correlation for Polynuclear Manganese(III)/oxo Clusters

Dissertation Chair: G. Christou

Woosol Lee

Major: *Electrical and Computer Engineering*

Dissertation: High Efficiency Wireless Power Transfer Using Advanced Metamaterial and Metaconductor

Dissertation Chair: Y. K. Yoon

John D. Leri

Major: *Psychology*

Dissertation: Biological Embedding of Violence Exposure during Development

Dissertation Chair: D. Kertes

Marc L. Lewkowitz

Major: *Physics*

Dissertation: Developing Tunnel Diode Oscillators as a Novel System For Detecting Magnetoelectric Effects in Molecular Magnets

Dissertation Chair: N. S. Sullivan

Chenglu Li

Major: *Curriculum and Instruction*

Dissertation: ConCICE Support for Online Algebra Learning: Conceptual Change-Oriented Conversational Artificial Intelligence Using Induction, Concretization, and Exemplification

Dissertation Chair: W. Xing

Hao Li

Major: *Food Science*

Dissertation: Dealcoholized Muscadine Wine Alleviates Inflammatory Bowel Diseases and Modulates Gut Microbiota in Mice

Dissertation Chair: L. Gu

Hongming Li

Major: *Electrical and Computer Engineering*

Dissertation: *A Cognitive Architecture for Scene Understanding Using Machine Learning Methodologies*

Dissertation Chair: J. C. Principe

Jie Li

Major: *Curriculum and Instruction*

Dissertation: *Teaching across Two Hemispheres and Shaping Professional Identities: A Multiple Case Study of Three Chinese Mainstream Teacher Candidates' Experiences in the U.S.-Based Practica*

Dissertation Chair: E. J. de Jong

Jingwen Li

Major: *Food Science*

Dissertation: *Development of Metabolomics-Based Approaches Provides Insights into Crop Fruit Flavor Biosynthetic Pathways and Biochemical Mechanisms against Plant Diseases*

Dissertation Chair: Y. Wang

Tianqi Li

Major: *Medical Sciences—Cancer Biology*

Dissertation: *Unveiling the Functional Implications of RNA Transcripts in Gene Expression Regulation*

Dissertation Chair: M. Xie

Ying Li

Major: *Mathematics*

Dissertation: *Efficient Ensemble Methods for Simulating Groundwater-Surface Flows*

Dissertation Chair: N. Jiang

Yun Liang

Major: *Biomedical Engineering*

Dissertation: *Novel Approaches for Analyzing Neuroimaging Data*

Dissertation Chair: M. Ding

Boya Lin

Major: *Medical Sciences—Health Outcomes and Policy*

Dissertation: *Utilization of Buprenorphine for Opioid Use Disorder and Its Associated Health Outcomes among Pregnant Women in Florida Medicaid*

Dissertation Chair: M. J. Gurka

Ke Liu

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: *Investigations of Small Molecules That Induce Iron Starvation in Bacterial Infections*

Dissertation Chair: R. W. Huigens III

Tongxi Liu

Major: *Curriculum and Instruction*

Dissertation: *Relationships between Executive Functions and Computational Thinking*

Dissertation Chair: M. Israel

Grace Mary Lloyd

Major: *Medical Sciences—Neuroscience*

Dissertation: *Amyloid β and α -Synuclein: Effect of Genetic Variation, Co-Deposition and Strain Diversity on the Pathogenesis of Proteinopathies*

Dissertation Chair: B. I. Giasson

Richard Roberto Lobo

Major: *Animal Molecular and Cellular Biology*

Dissertation: *Modulation of Ruminant Microbiome And Fermentation in Dairy Cows*

Dissertation Chair: A. Faciola

Julian Thomas Long

Major: *Materials Science and Engineering*

Dissertation: *Tool-Surface Interactions during Ultra-Fine Magnetic Field-Assisted Finishing of Ceramic Laser Optics*

Dissertation Chair: H. Greenslet

Francesca V. Lopez

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Neurocognitive Correlates of Mitochondrial Function

Dissertation Chair: D. Bowers

Jasmine Lopez

Major: *Horticultural Sciences*

Dissertation: Discovery, Fine Mapping, and Characterization of Graywall Resistance Loci in Tomato

Dissertation Chair: S. F. Hutton

Maricé Lopez Laurenti

Major: *Entomology and Nematology*

Dissertation: Development and Application of a Management Program for Blueberry Gall Midge in Florida's Blueberry Plantings

Dissertation Chair: O. E. Liburd

Deirdre Honoria Doyle Love

Major: *Public Health—Environmental Health*

Dissertation: Implications of Insecticide Treated Mosquito Net Fishing for Aquatic Ecosystems

Dissertation Chair: J. H. Bisesi Jr.

Sidney Marie Lower

Major: *Astronomy*

Dissertation: The Macro and Micro of Cosmic Dust: A Holistic Study of Dusty Galaxy Evolution with Cosmological Simulations

Dissertation Chair: D. T. Narayanan

Jie Lu

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: Design, Development, and Analysis of the Comprehensive Assessment of Usability Scale for Learning Technologies (CAUSLT)

Dissertation Chair: M. M. Schmidt

Lincoln Xiaoxuan Lu

Major: *Mass Communication*

Dissertation: What's Eating Men ('s Clothing): Media Consumption and the Normative Male Identity

Dissertation Chair: J. R. Goodman

Dissertation Co-chair: R. Coche

Siddarth Jude Machado

Major: *Forest Resources and Conservation*

Dissertation: Tree Mortality Responses to Drought in a Tropical and Temperate Forest

Dissertation Chair: D. J. Johnson

Nima J. Madani

Major: *Public Health*

Dissertation: Detection of Angiotensin Type 1 Receptor Antagonists in Aquatic Systems and Investigating Their Activation of Peroxisome Proliferator Activated Receptor and Associated Toxicity in *Danio rerio* (Zebrafish)

Dissertation Chair: T. L. Sabo-Attwood

Kevin Kwok Mai

Major: *Chemistry*

Dissertation: Discovery of Natural Products in Nematodes and Bacteria through Untargeted Comparative Metabolomics

Dissertation Chair: R. A. Butcher

Heidi Makady

Major: *Mass Communication*

Dissertation: A New Digital Divide? The Influence of Algorithmic Awareness on Algorithmic System Resistance and News Content Engagement. A Study of Twitter & Youtube News Audiences

Dissertation Chair: W. M. Wanta

Dissertation Co-chair: J. E. McNealy

Sahana Manohar-Sindhu

Major: *Genetics and Genomics*

Dissertation: Identification of Activin A as a Key Mediator of Inflammatory Cell-Induced Diminished Vasculogenesis and Acquisition of Myofibroblast Phenotype by Mesenchymal Stromal Cells

Dissertation Chair: D. O. Traktuev

Ruijie Mao

Major: *Criminology, Law, and Society*

Dissertation: Sentencing and Crime Patterns of Selling and Buying Trafficked Women in China

Dissertation Chair: L. M. Lanza-Kaduce

Justin Richard Martel

Major: *School Psychology*

Dissertation: Depression and Anxiety Symptoms of Collegiate Student-Athletes with Disabilities: A Comparative Study between Groups Seeking Counseling

Dissertation Chair: J. H. Kranzler

Alexandra Martinez

Major: *Counseling and Counselor Education*

Dissertation: The Relationship between Chronic Pain, Wellness, and Suicidal Desire in Older Adults

Dissertation Chair: S. L. Smith

Christian Hillary Matemu

Major: *Civil Engineering*

Dissertation: Performance Testing of GRS Test Piers Constructed with Florida Aggregates

Dissertation Chair: S. J. Wasman

Corinne Kathryn Matthews

Major: *English*

Dissertation: Consent in Contemporary Young Adult Fantasy

Dissertation Chair: K. B. Kidd

Samantha Michelle McCrane

Major: *Anthropology*

Dissertation: Biocultural Perspectives on Skeletal Markers of Health and Forensic Genetics

Dissertation Chair: C. J. Mulligan

Caitlin Erin McDermott

Major: *Nutritional Sciences*

Dissertation: Impact of Probiotic Supplementation on Exercise Endurance among Non-Elite Athletes: A Randomized, Double-Blind Placebo-Controlled Trial

Dissertation Chair: R. J. Henken

Sarah McGrath-Blaser

Major: *Zoology*

Dissertation: Expanding the Human Footprint: Understanding Human-Mediated Dispersal of Microscopic Fungi in the Context of Tourism and Recreation

Dissertation Chair: A. V. Longo Berrios

Keith W. McNamara Jr.

Major: *Human-Centered Computing*

Dissertation: Simplifying AI Explanations for the General User: Investigating the Efficacy of Plain Language for Explainability and Interpretability

Dissertation Chair: J. E. Gilbert

Karah Mechlowitz

Major: *Public Health—Social and Behavioral Sciences*

Dissertation: Women's Empowerment, Livelihoods, and Child Nutrition in Low and Middle Income Countries: Observations from Eastern Ethiopia

Dissertation Chair: S. L. McKune

Yvonne Marie Medina

Major: *English*

Dissertation: Disability and the Maturation Plot: Coming of Age for the Disabled Child Protagonist

Dissertation Chair: K. B. Kidd

Joseph Fremont Melville

Major: *Electrical and Computer Engineering*

Dissertation: Leveraging Machine Learning Frameworks for Efficient, Data Driven Grain Growth Models

Dissertation Chair: J. Harley

Erin S. Mistry

Major: *Curriculum and Instruction*

Dissertation: Science Teacher Identity Scale: A Construct in the Making

Dissertation Chair: A. M. Kohnen

Dissertation Co-chair: V. A. Vescio

Mihana Mitchell

Major: *Philosophy*

Dissertation: Social Suffering: A Moral Concept

Dissertation Chair: J. Ahlberg

Swagata Mondal

Major: *Chemistry*

Dissertation: Supramolecular Janus Crosslinks in Polymers

Dissertation Chair: B. S. Sumerlin

Luis Daniel Montalvo

Major: *Zoology*

Dissertation: Potential Local Adaptations to Climate and Aggression Territoriality as Drivers of Distributional Ranges of *Campylorhynchus* in Ecuador and Perú

Dissertation Chair: S. K. Robinson

Dissertation Co-chair: R. T. Kimball

Ryan Nestor Montalvo

Major: *Health and Human Performance*

Dissertation: Regulation of Mitochondrial Turnover following Exercise & Doxorubicin Treatment in Cardiorespiratory Muscles

Dissertation Chair: A. J. Smuder

Erin Leigh Moorman

Major: *Psychology—Clinical and Health Psychology*

Dissertation: A Longitudinal Evaluation of Factors Contributing to Sleep Quality and Fatigue in Pediatric Inflammatory Bowel Disease

Dissertation Chair: D. Janicke

Macarena Moraga Agurto

Major: *Anthropology*

Dissertation: Beyond the Archive: Memory, Transformation and the Continuous Work of a Rio de Janeiro Truth Commission

Dissertation Chair: R. B. Kernaghan

Mallory Maynes Morgan

Major: *Forest Resources and Conservation*

Dissertation: Deciphering the Genetic Architecture of Southern Pine Oleoresin Defense and Identifying Candidate Genes for Enhanced Resistance and Sustainable Biofuels

Dissertation Chair: G. F. Peter

Savannah Lynn Morgan

Major: *Agricultural and Biological Engineering*

Dissertation: Reducing Dimensionality of Three Complex Bio-Physical Systems

Dissertation Chair: R. G. Huffaker

Dissertation Co-chair: G. A. Kiker

Austin E. Moss

Major: *Mechanical Engineering*

Dissertation: Modeling Fiber-reinforced Elastomer Membranes for Defining Deformation Spaces in Soft Robotic Actuators

Dissertation Chair: K. Mohseni

Earl Julian Morris IV

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Healthcare Utilization and Cardiorenal Risk Associated with Xanthine Oxidase Inhibitor Use among Older Adults with Medicare

Dissertation Chair: S. M. Smith

Kartik Motwani

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Coiled Cerebral Aneurysm Healing: Role of Adjuvant Interleukin-17A Blockade in Tissue Repair and Peripheral Immune Response

Dissertation Chair: T. M. Brusko

Sophia Katarina Mueller

Major: *Mass Communication*

Dissertation: The Road to Women's Empowerment through Advertising: Can Femvertising Lead the Way?

Dissertation Chair: C. R. Morton Padovano

Md Ali Muntaha

Major: *Materials Science and Engineering*

Dissertation: Phase Field Modeling for Advancing the Understanding of Fission Gas Behavior in UO₂ Nuclear Fuel

Dissertation Chair: M. Tonks

Brandon Dionte Murphy

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Identifying Secreted Factors Essential for Uropathogenic *Escherichia coli* Invasion

Dissertation Chair: Y. Daaka

Casey Alexandra Murray

Major: *Fisheries and Aquatic Sciences*

Dissertation: Minimizing the Use of Live Feeds during the Larviculture of Five Ornamental Fish Species

Dissertation Chair: M. A. DiMaggio

Sripriya Nannu Shankar

Major: *Environmental Engineering Sciences*

Dissertation: Evaluating Next Generation *in Vitro* Systems for Exposure Assessment of Airborne Particles

Dissertation Chair: C. Wu

Jessica Ann Nastasi

Major: *Psychology*

Dissertation: The Value of Taking Breaks at Work

Dissertation Chair: N. Gravina

Kevin J. Nelson

Major: *Electrical and Computer Engineering*

Dissertation: Swarm Control of 6-DOF Agents Using Distributed Sensing to Compensate for Dynamic Background Flows

Dissertation Chair: K. Mohseni

Mariana Neves da Silva

Major: *Horticultural Sciences*

Dissertation: Assessing Flowering Time of Southern Highbush Blueberry Genotypes with Potential for Off-Season Production in the Fall

Dissertation Chair: P. R. Muñoz del Valle

Christian V. Nguyen

Major: *Physics*

Dissertation: Measurement of the Muon Neutrino and Helium Semi-Inclusive Single and Double Differential Cross Section at Minerva

Dissertation Chair: H. Ray

Yefan Nian

Major: *Food and Resource Economics*

Dissertation: Specialty Crop Producers' Risk Preference, Technology Adoption, and Adaptation to Climate Change

Dissertation Chair: Z. Gao

Dissertation Co-chair: K. L. Morgan

Alessandra Marie Norris

Major: *Medical Sciences— Pharmacology and Therapeutics*

Dissertation: Hedgehog Signaling via Its Ligand DHH Acts as a Fate Determinant during Skeletal Muscle Regeneration

Dissertation Chair: D. Kopinke

Mahsan Nourani

Major: *Computer Science*

Dissertation: Shadows of the Past: The Effects of User's past Experiences and Expectations on Human-AI Partnership

Dissertation Chair: E. D. Ragan

Diandra Wilhemnia Prioleau Ojo

Major: *Computer Science*

Dissertation: An Ensemble Approach to Addressing Fairness in Hospital Readmission Prediction for Diabetes Patients

Dissertation Chair: J. E. Gilbert

Glory Esohe Okpiaifo

Major: *Food and Resource Economics*

Dissertation: On the Behavioral Factors Influencing Consumer Attitudes and Preferences for Food Biotechnology

Dissertation Chair: B. Kassas

Marco Oliva

Major: *Computer Science*

Dissertation: Building Succinct Data Structures for Pangenomics

Dissertation Chair: C. A. Boucher

Alexander Benjamin Orfinger

Major: *Entomology and Nematology*

Dissertation: Systematic Studies of the Nearctic *Polycentropus sensu stricto* (Trichoptera: Polycentropodidae)

Dissertation Chair: R. L. Hix

David Daniel Ortiz

Major: *Philosophy*

Dissertation: Pleasure, Perception, and Natural Harmony in Plato and Epicurus

Dissertation Chair: J. A. Palmer III

Brian Haran Ortiz Salcedo

Major: *Civil Engineering*

Dissertation: Concrete Water Permeability Based on Resistivity Measurements

Dissertation Chair: C. C. Ferraro

Innocensia Achieng Owuor

Major: *Forest Resources and Conservation*

Dissertation: Analyzing the Effects of Real-World Phenomena on Contribution Behavior to Crowd-Sourcing Platforms

Dissertation Chair: H. H. Hochmair

Puja Pandey

Major: *Mathematics*

Dissertation: On the Equivalence of Statistical Distances for Isotropic Convex Measures

Dissertation Chair: A. Marsiglietti

Naomi Danielle Parker

Major: *Mass Communication*

Dissertation: Family Caregiving Communication and Intellectual and Developmental Disabilities: Enhancing Parent and Sibling Caregivers' Family Communication

Dissertation Chair: C. L. Fisher

Stephen Wayne Parker

Major: *Wildlife Ecology and Conservation*

Dissertation: Maximizing Learning Opportunities in Conservation: Gulf Sturgeon Stock Status and Trends

Dissertation Chair: W. E. Pine

Dissertation Co-chair: A. K. Carlson

Heshan Aravinda Pathirannehelage

Major: *Mathematics*

Dissertation: Discrete Log-Concave Distributions, Extreme Points, and Applications

Dissertation Chair: A. Marsiglietti

Jing Pei

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Expansion of the Proteolysis-Targeting Chimera (PROTAC) Toolbox for Cancer Therapy

Dissertation Chair: D. Zhou

Gissel Perez

Major: *Criminology, Law, and Society*

Dissertation: Jurors & Jailhouse Informants: An Examination of Video-Recorded Secondary Confessions

Dissertation Chair: L. M. Levett

Diana Faith Perry

Major: *Interdisciplinary Ecology*

Dissertation: Developing Decision Support Tools for Socioecological Systems: A Case Study of Florida Stock Enhanced Freshwater Recreational Fisheries

Dissertation Chair: E. V. Camp

Emily Lauren Padgett Plunkett

Major: *Health and Human Performance*

Dissertation: Sport Career Transition Competencies for Student-Athlete Development Professionals: A Delphi Study

Dissertation Chair: M. Sagas

Rachel Beth Polinsky

Major: *Art History*

Dissertation: “Fair-Ankled” Korai: Feet, Footwear, and a Reconsideration of Stylistic Progression in the Art of Ancient Greece

Dissertation Chair: M. A. Eaverly

Dissertation Co-chair: A. E. Jones

Alex D. Potash

Major: *Wildlife Ecology and Conservation*

Dissertation: Predators, Prey, and Acorns: An Exploration of Predator Distributions, Prey Behavior, and Ecosystem Process in the Southeastern US

Dissertation Chair: R. A. McCleery

Jiahua Qiu

Major: *Civil Engineering*

Dissertation: Fleet Management for Mobile EV to EV Charging: Solutions for Vehicle Routing, Motion Control, and Rebalance Problems

Dissertation Chair: L. Du

Andrew Rainey

Major: *Public Health—One Health*

Dissertation: Assessment and Implementation of Analytical Approaches for Wastewater-Based Epidemiology of Infectious Diseases

Dissertation Chair: A. T. Maurelli

Aantaki Raisa

Major: *Mass Communication*

Dissertation: Tailoring Digital Interventions for Acculturating Individuals

Dissertation Chair: J. Raup-Krieger

Dissertation Co-chair: C. L. Fisher

Nagarajan R. Rajagopal

Major: *Materials Science and Engineering*

Dissertation: Transfluthrin Based Novel Controlled Release Passive Polymer Devices for Enclosed Spaces

Dissertation Chair: C. D. Batich

Zahra Razi

Major: *Medical Sciences—Medical Physics*

Dissertation: Design and Fabrication of a Novel MRI Phantom Using Hydrogels for Quantitative Magnetic Resonance Imaging (qMRI)

Dissertation Chair: M. M. Arreola

Dissertation Co-chair: B. C. Schwarz

Brianna Richardson

Major: *Computer Science*

Dissertation: Influential Fairness: Adding a Dimension of Explainability to Fairness via Robust Statistics

Dissertation Chair: J. E. Gilbert

Jordi Armani Rivera Prince

Major: *Anthropology*

Dissertation: Emerging Inequality: Investigating Social Differences in Ancient Huanchaco, North Coast of Perú (400–200 Cal. B.C.) through Bioarchaeological and Mortuary Methods

Dissertation Chair: O. G. Prieto

Esteban Nicolas Rodofili

Major: *Interdisciplinary Ecology*

Dissertation: Semi-Automated Analyses of Satellite and UAS Imagery to Inform Marine Mammal Detection, Migration Route Studies and Marine Protected Area Design

Dissertation Chair: V. Lecours

Dissertation Co-chair: E. V. Camp

Jonathan Rodriguez

Major: *Microbiology and Cell Science*

Dissertation: Structural and Functional Characterization of Ammonia Oxidation in Nitrifying Bacteria and Archaea

Dissertation Chair: W. A. Martens-Habbena

Joshua Roe

Major: *Health and Human Performance*

Dissertation: An Investigation of the Impact of Geographic Proximity on Place Attachment to Public Parks among Different User Groups

Dissertation Chair: H. J. Gibson

Dissertation Co-chair: J. W. Kim

Erik Leonel Roldán Salazar

Major: *Entomology and Nematology*

Dissertation: Evaluating Therapeutic Interventions and Host-Microbe Interactions for Disrupting *Candidatus Liberibacter asiaticus* Transmission

Dissertation Chair: K. S. Stelinski

Ekaterina Romanova

Major: *Mass Communication*

Dissertation: Media, Identity, and Politics: The Case of Russian Diasporas in the U.S.

Dissertation Chair: S. K. Kioussis

Dissertation Co-chair: M. J. Hutchens

Moises Abiram Romero Reyes Sr.

Major: *Chemistry*

Dissertation: A New Class of Highly Active Conjugate-Base-Stabilized Bronsted Carboxylic and Phosphoric Acids for Asymmetric Bronsted Acid Catalysis

Dissertation Chair: D. Seidel

Garret Matthew Rubin

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Investigations into Novel Graspptide Function and Enzymology

Dissertation Chair: Y. Ding

Juliette J. Rubin

Major: *Zoology*

Dissertation: The Evolution of Deceptive Anti-Predator Traits in Bombycoid Moths

Dissertation Chair: A. Kawahara

Hannah Loretta Rusch

Major: *Agronomy*

Dissertation: Diversification Approaches to Intensify Subtropical Warm-Season Perennial Pasture Productivity and Ecosystem Services

Dissertation Chair: C. H. Wilson

Holly R. Ryan

Major: *Biomedical Engineering*

Dissertation: Role of Monocytes in Promoting Sle-Associated Endothelial Dysfunction in a Hydrogel Model of the Microvasculature

Dissertation Chair: E. M. Taylor

Sujan Kumar Saha

Major: *Electrical and Computer Engineering*

Dissertation: Towards a Secure, Quantifiable, and Optimized System-on-Chip Design

Dissertation Chair: C. Bobda

Dissertation Co-chair: F. Farahmandi

Ruba Sajdeya

Major: *Epidemiology*

Dissertation: Investigating the Perioperative Implications of Cannabis Use: Novel Approaches and Real-World Data

Dissertation Chair: R. L. Cook

Mahya Sam

Major: *Design, Construction and Planning*

Dissertation: Exploring the Relationship between Human-Robot Collaboration (HRC) and the Resilience of Construction Work Processes

Dissertation Chair: B. W. Franz

Sidharth Sanadhya

Major: *Mechanical Engineering*

Dissertation: Thermodynamic Descriptors of Sensible Heat Driven Liquid-Liquid Phase Separation

Dissertation Chair: S. Moghaddam

Rebeca Sandoval Ruiz

Major: *Entomology and Nematology*

Dissertation: Nematode Community in a New Alternative Rotation System in the Southeast United States that Includes *Brassica carinata* (A. Braun) as a Winter Crop, and the Effect of This Plant on Nematode Management

Dissertation Chair: Z. Grabau

Jorge Xavier Santiago-Hernandez

Major: *Civil Engineering*

Dissertation: Exploring Machine Learning Methods to Elucidate the Role of Geomorphic Complexity in Enhancing Damage during Extreme Wind Events

Dissertation Chair: F. J. Masters

Meghna Sapui

Major: *English*

Dissertation: Edible Empire: Eating in Indian Anglophone Literature, 1820-1910

Dissertation Chair: P. K. Gilbert

Efstathios Sarmikasoglou

Major: *Animal Molecular and Cellular Biology*

Dissertation: The Road Never Taken. Ruminant Lipopolysaccharides and Novel Feed Additives for Ruminants

Dissertation Chair: A. Faciola

Md Abu Sayeed

Major: *Public Health—One Health*

Dissertation: Development of a Cholera Rapid Diagnostic Test That Targets Both *Vibrio cholerae* and Vibriophage

Dissertation Chair: E. J. Nelson

Colin James Schaeffer

Major: *Medical Sciences—Medical Physics*

Dissertation: Automated Differentiation of Blood and Iodine in Stroke Patients

Dissertation Chair: S. M. Leon

Owen Patrick Schneider

Major: *Interdisciplinary Ecology*

Dissertation: Restoration Effects, Community Assembly Dynamics, and Flammability of the Rare and Imperiled Plant Communities on Long Pine Key in Everglades National Park

Dissertation Chair: B. H. Baiser

Bhakti Sharma

Major: *Mass Communication*

Dissertation: Practice Makes Progress: Understanding the Continued Usage of Mindfulness Mobile Applications

Dissertation Chair: B. K. Johnson

Dissertation Co-chair: Y. Lee

Yixi Shen

Major: *Mechanical Engineering*

Dissertation: Multiscale Modeling of the Behavior of Dislocations and He Bubbles in Metallic Materials

Dissertation Chair: D. Spearot

Limin Shi

Major: *Nutritional Sciences*

Dissertation: The Role of FoxO1 in Adipose Browning and Iron Metabolism

Dissertation Chair: Z. Cheng

Adam Clark Siders

Major: *Soil, Water, and Ecosystem Sciences*

Dissertation: From Midges to Manatees: Factors Affecting the Role of Potential Resource Subsidies in Aquatic Ecosystems

Dissertation Chair: M. R. Whiles

Dissertation Co-chair: A. J. Reisinger

Nicolas Silva

Major: *Nuclear Engineering Sciences*

Dissertation: Development and Optimization of Spherical Neutron Polarimetry for Studying Magnetic Materials

Dissertation Chair: Y. Yang

James Clay Simpson

Major: *Philosophy*

Dissertation: A Defense of Fallibilism

Dissertation Chair: J. I. Biro

Manan Singh

Major: *Design, Construction and Planning*

Dissertation: Advancing Building Energy Consumption Estimates through Incorporating the Effects of Urban Heat Island (UHI) Phenomenon

Dissertation Chair: R. Sharston

Deepthi Siriwardena

Major: *English*

Dissertation: *Conceiving Communities: The Nation State and the Asian American Refugee Narratives*

Dissertation Chair: M. J. Schueller

Thomas James Smallwood

Major: *Environmental Engineering Sciences*

Dissertation: *Sustainability of Landfills: Designing Better Landfills and Mitigating Emerging Contaminants*

Dissertation Chair: T. G. Townsend

MacKenzie Allan Smith

Major: *Botany*

Dissertation: *Climate and Diversity of Early and Middle Eocene Floras from Middle Latitudes of the Northern Hemisphere*

Dissertation Chair: S. R. Manchester

Hyojong Sohn

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: *Developing an Observation Protocol for Tiered Reading Instruction: A Validation Study*

Dissertation Chair: M. T. Brownell

Gunsu Son

Major: *Business Administration—Finance*

Dissertation: *Essay on Big Data and Machine Learning in Finance*

Dissertation Chair: M. Nimalendran

Jeeye Song

Major: *Political Science*

Dissertation: *Treaty-Making and Colonization in East Asia: Vietnam and Korea in the 19th Century*

Dissertation Chair: A. A. Hozic

Jonathan Taylor Specker

Major: *Chemistry*

Dissertation: *Investigation of Biomolecular Health and Disease Using Advancements in Mass Spectrometry Instrumentation and Applications*

Dissertation Chair: B. M. Prentice

Edward J. Stafford

Major: *Medical Sciences—Medical Physics*

Dissertation: *Characterization, Deployment, and Dosimetric Analysis of an Imaging Chain Utilizing a Higher-Than-Diagnostic Energy X-Ray Tube and a Photon Counting Linear Diode Array to Be Used in Large Animal Imaging*

Dissertation Chair: F. J. Bova

Dissertation Co-chair: M. M. Arreola

Catherine J. Stiefel

Major: *History*

Dissertation: *The Impression of Freedom: Resilience and Resistance of Virtual Slaves in the Antebellum Southern Legal Regime*

Dissertation Chair: E. R. Dale

Nathaniel Allen Strauss

Major: *Physics*

Dissertation: *Classical Dynamical Models in Black Hole Backgrounds—Studies towards Antipodal Identification and an Emergent Quantum Firewall Transformation*

Dissertation Chair: B. F. Whiting

Jacob P. Stuart

Major: *Human-Centered Computing*

Dissertation: *Using Augmented Reality Filters to Design Visual Cue Healthcare Training*

Dissertation Chair: B. Lok

Parisa Tahafchi

Major: *Electrical and Computer Engineering*

Dissertation: Freezing of Gait Detection Using Wearable Sensor Technology and Machine Learning Algorithms

Dissertation Chair: J. Judy

Paige Talhelm

Major: *Psychology*

Dissertation: The Effects of Multiple-Context Training on Operant Renewal of Behavior Decreased by Differential Reinforcement of Alternative Behavior

Dissertation Chair: I. G. DeLeon

Emilie-Katherine Gabrielle Tavernier

Major: *Botany*

Dissertation: Unraveling Moss Gene Regulatory Networks

Dissertation Chair: S. McDaniel

Brad P. Taylor

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Feasibility and Effectiveness of a Telehealth-Delivered Inductive Reasoning Training Program for Older Adults

Dissertation Chair: M. Marsiske

Sharon Clare Thompson

Major: *Microbiology and Cell Science*

Dissertation: Investigation of the Impact of Diet on the Probiotic Organism *Lactobacillus johnsonii* N6.2

Dissertation Chair: G. L. Lorca

Shufang Tian

Major: *Horticultural Sciences*

Minor: *Soil and Water Sciences*

Dissertation: Integrated Nutrient Management Practices for High Tunnel Organic Vegetable Production Systems

Dissertation Chair: X. Zhao

Steven Brantley Tillis

Major: *Veterinary Medical Sciences*

Dissertation: Decoding Ophidian Serpentoviruses: Disease Ecology, in Vitro Characterization, and Genomic Diversity

Dissertation Chair: R. J. Ossiboff

Lissette Arelis Tolentino

Major: *Research and Evaluation Methodology*

Dissertation: Examining the Efficacy of the Mantel-Haenszel and Logistic Regression DIF Methods for Digitally Based Formative Assessment Conditions

Dissertation Chair: A. C. Manley

Brandon Tran

Major: *Mechanical Engineering*

Dissertation: Characterization and Modeling of Macro Fiber Composite on Anisotropic Substrates with Nonlinear-Thermal Considerations

Dissertation Chair: P. G. Ifju

Phuong Tan Tran

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Advancing Evidence On Antibiotics Use, Their Safety And The Methodology To Deal With Unmeasured Confounding

Dissertation Chair: A. G. Winterstein

Blake Neville Trusty

Major: *Chemical Engineering*

Dissertation: Examination of Simultaneous Self-Diffusion of Molecules in Membranes and Mesoporous Materials via Pulsed-Field Gradient (PFG) NMR

Dissertation Chair: S. Vasenkov

David Edward Tyson

Major: *Music Education*

Dissertation: Access to Music Teacher Education for Vernacular Musicians: Faculty Perceptions of Current Practices

Dissertation Chair: M. A. Haning

Kelly Yoane Ugarelli

Major: *Microbiology and Cell Science*

Dissertation: The Microbiome Composition of *Thalassia testudinum* and Its Potential Function in Disease Defense

Dissertation Chair: U. Stingl

Qudus Oladimeji Uthman

Major: *Soil, Water, and Ecosystem Sciences*

Minor: *Statistics*

Dissertation: Management of Huanglongbing Affected Valencia Sweet Oranges in Sandy Soils of Central Florida: Sorption Kinetics and Equilibria, Uptake, and Leaching of Nutrients and Imidacloprid in a Florida Sandy Soil

Dissertation Chair: D. M. Kadyampakeni

Valerie C. Valerio

Major: *Agricultural and Biological Engineering*

Dissertation: Analyzing Livestock Value Chains in Sub-Saharan Africa with Data and Simulation Models: Three Case Studies

Dissertation Chair: G. A. Kiker

Dissertation Co-chair: R. Muneeppeerakul

Daniel Andres Valles

Major: *Chemistry*

Dissertation: Method Development and Mechanistic Insights of the Oxidation of Cyclic Lithium Amides by Ketones

Dissertation Chair: D. Seidel

William Joseph Vann

Major: *Civil Engineering*

Dissertation: Sensory Manipulation as a Countermeasure to Teleoperation Delays

Dissertation Chair: J. Du

Elder Garcia Varela

Major: *Health and Human Performance*

Dissertation: Development and Initial Validation of a Policy Systems and Environmental (PSE) Evaluation Tool for Early Childhood Strategies

Dissertation Chair: A. R. Mobley

María Paula Varela

Major: *Art History*

Dissertation: "My Goddesses and My Monsters": Maria Martins' Paradoxical Modernism

Dissertation Chair: K. Cabanas

Dissertation Co-chair: R. C. Silveri

Juan de Jesus Vargas Martinez

Major: *Animal Sciences*

Minor: *Agronomy*

Dissertation: Effects of Inclusion of Non-Protein Nitrogen and Other Dietary Supplements on Animal Performance, Ruminant Metabolism, and Enteric Methane Emissions in Growing Beef Cattle

Dissertation Chair: N. DiLorenzo

Christopher Michael Vega

Major: *Electrical and Computer Engineering*

Dissertation: Low-Overhead Security Primitives through Reutilization of Design Elements

Dissertation Chair: S. Bhunia

Diana Velazquez Lopez

Major: *Romance Languages—Spanish*

Dissertation: The Role of Technology-Mediated Feedback in the Acquisition of Spanish Phonology

Dissertation Chair: G.E. Lord

Taisha Venort

Major: *Agricultural and Biological Engineering*

Dissertation: Assessing Linkages between Livelihoods, Agricultural Intensification and Ecosystem Services in Smallholder Social-Ecological Systems

Dissertation Chair: R. Muñoz-Carpena

Dissertation Co-chair: C. A. Palm

Austin L. Vera

Major: *Mechanical Engineering*

Dissertation: A Flat-Packaged MEMS-Based Optical Pressure Sensor for Harsh Environments

Dissertation Chair: M. Sheplak

Leandro Otavio Vieira Filho

Major: *Soil and Water Sciences*

Minor: *Agronomy*

Dissertation: Soil Phosphorus Management in Subtropical Grazing Land Ecosystems: Agronomic and Environmental Implications

Dissertation Chair: M. L. Silveira

Isaac Ryan Vincent

Major: *Horticultural Sciences*

Dissertation: Optimizing Anaerobic Soil Disinfestation Application in Organic High Tunnel Systems for Improving Baby Leafy Green Production

Dissertation Chair: X. Zhao

Augustine Victoria Vinson

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Efforts toward Real-Time, in Vivo Characterization of Early Hematopoietic Stem Cell Transplant Dynamics in Medullary and Extramedullary Hematopoietic Niches

Dissertation Chair: E. W. Scott

Chuan Wang

Major: *Political Science*

Dissertation: Manufactured Mobility: The State and the People in Chinese Automobile Industry

Dissertation Chair: A. A. Hozic

Fenqi Wang

Major: *Linguistics*

Dissertation: The Production and Perception of Vocal Emotions in American English and Mandarin Chinese: A Cross-Linguistic Study with Computational Modeling

Dissertation Chair: R. Wayland

Ximeng Wang

Major: *Materials Science and Engineering*

Dissertation: Study of Incorporating of Cesium into Hexacyanoferrate Framework and Doped Materials for Water Splitting by Density Functional Theory Calculation

Dissertation Chair: S. R. Phillpot

Michael P. Waylen

Major: *Geography*

Dissertation: The Political Ecology of Florida's "Springs Country"

Dissertation Chair: C. S. Simmons

Julia Rae Weinstein

Major: *Music Education*

Dissertation: Self-Efficacy of Music Student Teachers

Dissertation Chair: W. Bauer

Carolin Werkman

Major: *Pharmaceutical Sciences—Clinical Pharmaceutical Sciences*

Dissertation: Penicillin-Binding-Protein Occupancy Patterns that Elicit Synergistic Bacterial Killing of *Acinetobacter baumannii*

Dissertation Chair: J. B. Bulitta

Mihoko Maeda Wheeler

Major: *Linguistics*

Dissertation: Effectiveness of Implicit Categorical Learning in Japanese Pitch Training of Second-Language Japanese Learners

Dissertation Chair: R. Wayland

Stephanie R. Wheeler

Major: *Zoology*

Dissertation: Avian Use of African Villages and the Consequences of Synanthropy

Dissertation Chair: S. K. Robinson

Dexter Daniel Wilborn

Major: *Counseling Psychology*

Dissertation: Are Strength Training Recency, Exertion, and Frequency Associated with Better Psychosocial Outcomes?

Dissertation Chair: M. Heesacker

Lory Lee Willard

Major: *Agricultural and Biological Engineering*

Dissertation: Quantifying the Effects of Sustainable Intensification Practices on Streamflow and Wildlife: A Case Study in Laikipia, Kenya

Dissertation Chair: R. Muñoz-Carpena

Kathryn Michelle Williams

Major: *Counseling and Counselor Education*

Dissertation: Experiences of Supervisors in the Field

Dissertation Chair: J. Swank

Emily Sue Ann Wolf

Major: *Plant Molecular and Cellular Biology*

Dissertation: Elucidating the Molecular Mechanisms Influencing Anthracnose Disease Resistance and Biological Nitrogen Fixation to Enhance the Sustainability of Sorghum Production

Dissertation Chair: W. Vermerris

Lauren Nicole Wong

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Examining the Influence of Response to Intervention Policy on Disproportionality and the Identification of Students with Disabilities and Specific Learning Disabilities

Dissertation Chair: C. C. Griffin

Minjae Woo

Major: *Linguistics*

Dissertation: An Investigation of Vowel Length and Tone Assignment in North Kyungsang Korean Native and Borrowed Words

Dissertation Chair: C. R. Wiltshire

Megan R. Worth

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Teacher Perceptions of Social and Emotional Learning and Students with Emotional and Behavioral Disorders

Dissertation Chair: S. W. Smith

Sage Allison Wright

Major: *Curriculum and Instruction*

Dissertation: Creating New Pathways: Using A/r/tography to Help Teacher Candidates Reflect Upon Their Sociopolitical Ideologies

Dissertation Chair: S. G. Terzian

Quran Wu

Major: *Biostatistics*

Dissertation: A Marginal Mediation Model and a Novel Association Identification Approach with Application to Microbiome Data

Dissertation Chair: Z. Li

Xinyi Xia

Major: *Chemical Engineering*

Dissertation: Investigation of Ultra-Wide Bandgap Semiconductors and SiC_xN_y Coatings for Advanced Dental Implant Applications

Dissertation Chair: F. Ren

Qingyuan Xiang

Major: *Botany*

Dissertation: Functions of Oxylipins and Melatonin in Stomatal Immunity

Dissertation Chair: S. Chen

Xiulin Xie

Major: *Biostatistics*

Dissertation: Transparent Sequential Learning for Online Monitoring of Multivariate Data Streams

Dissertation Chair: P. Qiu

Fang Xu

Major: *Special Education*

Dissertation: An Observational Study of Student Reading Engagement during UFLI Intensive Intervention

Dissertation Chair: H. B. Lane

Dissertation Co-chair: N. A. Gage

Jiayi Xu

Major: *Curriculum and Instruction*

Dissertation: How Chinese Background Adolescents Navigated Their Identities during the COVID-19 Pandemic

Dissertation Chair: M. R. Coady

Kang Yang

Major: *Electrical and Computer Engineering*

Minor: *Statistics*

Dissertation: Leveraging Correlation: Guided Wave Based Unsupervised Damage Detection in Uncontrolled Structural Health Monitoring Under Complex Dynamic Conditions

Dissertation Chair: J. Harley

Yuting Yang

Major: *Biostatistics*

Dissertation: Some Contributions to Biostatistical Methods for Progressive Multistate Model and Two-Stage Design

Dissertation Chair: S. S. Wu

Dissertation Co-chair: S. Datta

Heng Yao

Major: *Computer Science*

Dissertation: Using Suicidal Virtual Human Interactions to Improve Healthcare Professional Trainees' Verbal Empathic Communication Skills

Dissertation Chair: B. Lok

Fan Yi

Major: *Biostatistics*

Dissertation: Online Monitoring of Image Sequences

Dissertation Chair: P. Qiu

Salih Yilmaz

Major: *Plant Pathology*

Dissertation: Epidemiology of Emerging Tomato Viruses in Florida and the Development of Portable Diagnostic Tools

Dissertation Chair: O. Batuman

Heather L. Young

Major: *Agricultural Education and Communication*

Dissertation: The Impacts of Cooperative Learning Paired with Case Study Teaching Method on Students' Critical Thinking Ability regarding Issues in Agricultural and Life Sciences at the Collegiate Level

Dissertation Chair: J. C. Bunch

Mark Zakota

Major: *Business Administration—Accounting*

Dissertation: EPA Scrutiny and Voluntary Environmental Disclosures

Dissertation Chair: W. R. Knechel

Zhe Zhang

Major: *Civil Engineering*

Dissertation: Modeling Unsaturated Porous Media from the Atomic Scale to the Continuum Scale through HPC

Dissertation Chair: X. Song

Caiwang Zheng

Major: *Forest Resources and Conservation*

Dissertation: Estimation of Strawberry Canopy Structural and Biophysical Parameters Using Remote Sensing and Machine Learning Techniques

Dissertation Chair: A. H. Abd-Elrahman

Congliang Zhou

Major: *Agricultural and Biological Engineering*

Dissertation: Artificial Intelligence-Based Decision Support Tool for Two-Spotted Spider Mite in the Strawberry Field

Dissertation Chair: W. S. Lee

Kristine Zlatkovic

Major: *Curriculum and Instruction*

Dissertation: Exploring Learner and Task Characteristics during Information Visualization Comprehension: Toward Adaptive Infographics

Dissertation Chair: P. Antonenko

DOCTOR OF EDUCATION

Sarah Alice Bell

Major: *Educational Leadership*

Dissertation: Rural School Improvement Planning after COVID-19

Dissertation Chair: C. H. Redding

Michael Joseph Earley Jr.

Major: *Educational Leadership*

Dissertation: Why Are They Leaving: A Qualitative Case-Study Examination of Student Affairs Professionals Who Left Their Role amid the COVID-19 Global Pandemic

Dissertation Chair: F. C. Curran

Kevin Steven Hanson

Major: *Curriculum and Instruction*

Dissertation: Identifying Factors that Facilitate or Hinder Adoption of Personalized Learning in Educational Interventions for Care Partners of People Living with Alzheimer's Disease and Related Dementias: A Delphi Study

Dissertation Chair: M. M. Schmidt

Maryam Siddiqa Hasan

Major: *Educational Leadership*

Dissertation: How Educational Leaders Influence the Experiences of Muslim Students in Public Schools

Dissertation Chair: F. C. Curran

Alex Robert Hodges

Major: *Curriculum and Instruction*

Dissertation: Harvard Librarians' Information Literacy and Digital Scholarship Instruction

Dissertation Chair: S. Kumar

Yoo Jin Hwang

Major: *Educational Leadership*

Dissertation: What Is the Association between Principal Retention and Student Achievement in Turnaround Schools?

Dissertation Chair: C. H. Redding

Dashana Lane

Major: *Educational Leadership*

Dissertation: *It's a Different World: Cultivating Safe Spaces for Black Women Graduate Students at Predominately White Universities Using Radical Healing*

Dissertation Chair: T. C. Smith

Dissertation Co-chair: F. C. Curran

Emily Jin Nanna

Major: *Higher Education Administration*

Dissertation: *Understanding How Title IX Coordinators Navigate Legal Ambiguity and Conflict between Title IX and Title VII*

Dissertation Chair: F. J. Fernandez

Carlos A. Parra[†]

Major: *Higher Education Administration*

Dissertation: *Understanding the Relationship between Athletic Branding and Community College Student Engagement: An Exploratory Case Study*

Dissertation Chair: L. B. Lynch

Kristopher Alynn Lane Plunkett

Major: *Higher Education Administration*

Dissertation: *Servant Leadership in Higher Education Advancement: Relationship between Turnover Intentions and Challenge-Hindrance Stress*

Dissertation Chair: B. T. Skinner

Lisa R. Scavone

Major: *Curriculum and Instruction*

Dissertation: *Gender Makes a Difference: The Sources of Math Self-Efficacy and Prediction of Interest in a STEM Career for Community College Online Math Students*

Dissertation Chair: M. Israel

Lisa Sedlock

Major: *Curriculum and Instruction*

Dissertation: *Conducting a Needs-Analysis Using Job Analysis and Qualitative-Data-Analysis Software to Generate a Training Plan in a Federal Agency: A Case Study*

Dissertation Chair: A. D. Ritzhaupt

Sara Borden Taylor

Major: *Educational Leadership*

Dissertation: *Community College Professors' Experiences Adopting and Using Technology during the Early Phase of the COVID-19 Pandemic*

Dissertation Chair: C. H. Redding

[†]posthumous



DOCTOR OF BUSINESS ADMINISTRATION

Valdecino Ferreira Assunção
Timothy Stewart Becker
Stephanie Ann Ceron
Jerald Estime
Steve Francis

David James Gilbertson
Carl Harvey Henson
Raymond Bruce Johnson
Traci Leigh Johnston
Michael David Jones
Chad Meley

Theodore George Santiesteban
Nicholas Theodore Sougiannis
Ian Alexander Stewart
David Paul Weber
Amber Noel Yoo

DOCTOR OF PLANT MEDICINE

Andy Jean-Louis

Shannon Kathryn Ariann McAmis

PROFESSIONAL DEGREES

THE FREDRIC G. LEVIN COLLEGE OF LAW

Interim Dean Merritt McAlister

JURIS DOCTOR

Laura B. Ledford

Kevin A. Robaina

MASTER OF LAWS IN INTERNATIONAL TAXATION

Dearl F. Croft III

MASTER OF LAWS IN TAXATION

William Eric Byrd

Monica Fernandez

THE COLLEGE OF NURSING

Interim Dean Debra Lyon

DOCTOR OF NURSING PRACTICE

Allison Pamela Andrews
Jennifer Leigh Armijo
Jessica Lynn Askew
Anita Huerta Aviles
Wilmona Carriean Ball
Maria Inez Benavidez
Stephanie Zarajczyk Biscay
Eduardo Castro
Maximilian Cheung
Olivia Jane Dizon
Brittany Nicole Edwards
Reathea Olivia Felder

Devan Blair Fridley
Latisha Gaddy
Celena Heesch
Jacquelyn Janis Hoffman
Karlin Young Huggins
Lauren Sue Leonard
Hillary Marie Luke-Tindley
Teresa Mahan-Etheridge
Jonathan R. Maxwell
Kari McBride
Kasheika C. McNeill

Maria D. Meek
Michelle Patricia Mundy
Kelley Ann Pekarsky
Charity Lynn Plum
Megan Anne Ryan
Celine Dakota Sanchez-Frings
Natalie Marie Stangl
Melanie W. Waters
James E. Watson
Diana Angelica Weegmann
Nicole C. Welton
Lalania D. White

THE COLLEGE OF PHARMACY

Dean Peter Swaan

DOCTOR OF PHARMACY

Mary Christan Jones

Yennifer Nunez Munoz

Kency Voltaire



What Makes a University Great?

Some interesting facts about the University of Florida

Educational Excellence

UF is consistently ranked among the nation's top universities: No. 5 in the U.S. News & World Report "Top Public Universities" (2023); No. 2 in public universities in Degree Choices for the economic return students get from attending college and leading students to greater financial security (2023); No. 7 in Money magazine's "The Best Colleges in America, Ranked by Value" (2022); and No. 1 in public universities in tech transfer for economic return by the Heartland Foundation.

- UF has more than 6,600 faculty members with distinguished records in teaching, research and service, including 25 Eminent Scholar chairs and 36 elections to the National Academies of Science, Engineering and Medicine and 19 elections to the American Academy of Arts and Sciences.
- Awards include a Fields Medal, three Pulitzer Prizes, NASA's top award for research and Smithsonian Institution's conservation award.

Students

- Students admitted to the Fall 2022 freshman class had an average 4.49 GPA, average SAT score of 1407 and an average ACT score of 32.
- The freshman retention rate of 97% is among the highest in the country.
- UF ranks sixth and second, respectively, in Latino and African American graduates who go on to receive doctorates in STEM fields.
- Seventy-two percent of UF full-time freshmen graduate in four years, and 91% of UF freshmen graduate within six years.



Chain of Office

This custom-made ornament is worn with the president's regalia, symbolizing the authority and responsibilities of the office. The chain is engraved with the names and service years of the university presidents. The medallion's centerpiece is a 1.3-carat diamond.

Academic Mace

Dating back to the Middle Ages, the mace symbolizes strength and authority. The UF ceremonial mace was created for the university's sesquicentennial celebration in 2003. The 70-inch staff features an alligator sitting atop a globe. The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.

The four pillars supporting the globe represent the four original colleges: Agriculture, Engineering, Law, and Liberal Arts. The staff is carved from cherry wood. The university's chief marshal, who leads all academic processions, carries the mace.



Diplomas

Diplomas will be mailed to the graduate's diploma mailing address in September of 2023.

Caps and Gowns, An Explanation

The academic regalia worn by graduating students and faculty in this era evolved from a style of dress worn by members of guilds and religious orders in medieval times. The academic gown is worn by individuals who have earned a degree in higher education. In addition, hoods are worn by graduate degree candidates but not by undergraduate degree candidates.

At the University of Florida, the lining of the hood has a blue chevron on an orange background to represent the university colors. University faculty members who hold degrees from another college or university wear the colors of their alma mater.

The velvet edging on the academic hood is the color that represents the particular degree held by the wearer. Agricultural and Life Sciences and Forest Resources and Conservation share maize edging; Design, Construction and Planning and Building Construction are lilac; Audiology degrees have colonial blue edging; Business Administration and Accounting are drab; Dentistry is lilac; Education is light blue; Engineering degrees are represented by orange edging; Fine Arts degrees have brown edging; Health and Human Performance is sage green; Journalism and Communications is garnet; Law is purple; Liberal Arts is white, and Liberal Sciences is gold yellow; Medicine is green; Music is pink; Natural Resources and Environment is antique gold; Nursing is apricot; Doctor of Occupational Therapy is slate blue; Doctor of Pharmacy is olive; Philosophy is royal blue; Public Health degrees have salmon pink edging; Rehabilitation Counseling degrees have Nile green edging; and Veterinary Medicine is gray.

Distinctions among sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a master's degree. A round, open sleeve identifies a doctoral degree.

The blue doctoral regalia also has velvet running on the rest of the gown, including crossbars on the sleeve. Colored tassels on the degree candidates' caps indicate a candidate's school or college.



UF

Alma Mater

*Florida, our Alma Mater
Thy glorious name we praise
All thy loyal sons and daughters
A joyous song shall raise.
Where palm and pine are blowing,
Where southern seas are flowing,
Shine forth thy noble Gothic walls,
Thy lovely vine-clad halls.
Neath the Orange and Blue victorious
Our love shall never fail.
There's no other name so glorious—
All hail, Florida, Hail!*

Milton Yeats