

Commencement

UF | UNIVERSITY *of*
FLORIDA

Commencement
SPRING 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, former U.S. Senator for Nebraska, 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.

A two-time New York Times national best-selling author, Ben's career has spanned the private and public sectors. As a turnaround guy working for the Boston Consulting Group, McKinsey and Company, and private equity firms, Ben has built dozens of teams that built winning strategies.

Having taught at Yale University, the University of Texas, and Midland University in his Nebraska hometown, Professor Sasse has won teaching awards and holds a Doctorate of History from Yale, where his dissertation won both the Egleston and Theron Rockwell Field best dissertation prizes.

In the U.S. Senate, his work on the intelligence, finance, and judiciary committees focused on the future of work, the future of war, and the First Amendment. A sharp critic of our increasing tribalism, he became both the most censured office-holder in the history of Nebraska — and also, by far, the highest vote-getter in the history of Nebraska.

Ben believes in pluralism, free speech, and the power of ideas to build strong and vibrant communities in our digitally disrupted future. In his Senate farewell address, he praised Americans' tradition as "builders" — of churches and synagogues, schools and little leagues, businesses and "the million and one other associations and organizations and clubs and groups through which we live and pass along our life together."

Ben and his wife, Melissa, have two college-age daughters and an 11-year-old son. Ben, Melissa, and Breck live on campus in The Dasburg House with multiple dogs and Breck's iguana, Dart, who is delighted now to call humid subtropical Gainesville home.

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Ben Sasse, Ph.D.
President

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Vice President - Business Affairs

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College of Agricultural and Life Sciences

Onye P. Ozuzu, M.F.A.
College of the Arts

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Glenn E. Good, Ph.D.
College of Education

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Herbert Wertheim College of Engineering

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The Graduate School

Michael Reid, Ph.D.
College of Health and Human Performance

Andra Johnson, Ph.D.
IFAS Extension

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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

Anna M. McDaniel, Ph.D., R.N.
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.
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Judith C. Russell, M.S.
University Libraries

Jonathan Yorkowitz, M.A.
Interim Dean of Students

COMMENCEMENT AGENDA – THURSDAY, MAY 4, 9:00 A.M.

Presiding	Ben Sasse <i>President</i>
Processional	Gainesville Brass Quintet
National Anthem	Vocalist: Marcus Rhodes Gainesville Brass Quintet
Welcome	Ben Sasse
Introductions	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Presentation of Honorary Degree	Joseph Glover
Honorary Degree, Doctor of Music [†]	Tom Petty College of the Arts
Commencement Address	Leslie Ann Parker <i>Professor, College of Nursing</i>
Presenting Candidates for Degrees	Joseph Glover
Conferring of Degrees	Ben Sasse
Recognition of Graduates	
Closing Remarks	Ben Sasse
Alma Mater	Marcus Rhodes Gainesville Brass Quintet
Recessional and Postlude	Gainesville Brass Quintet

NOTE: Graduates present at the end of the ceremony will receive a special gift as they exit.

[†]posthumous

Commencement Speaker

Dr. Leslie Parker

Professor, College of Nursing

Dr. Leslie Parker is a professor in the College of Nursing and an adjunct professor in the College of Medicine. She has had an active practice as a nurse practitioner in the neonatal intensive care unit for the last 30 years, where she cares for critically ill infants and their families.

Dr. Parker directs one of the few research programs dedicated to developing strategies to improve the nutritional health of premature and critically ill infants. Her research is funded by the National Institutes of Health and distinguished by interdisciplinary team science that bridges nursing, medicine, microbiology, and public health across the University of Florida and the globe.

Dr. Parker's research focuses on two important areas of neonatal care: optimal delivery of nutrition and increasing infant consumption of breast milk by improving lactation success in their mothers. Because optimal nutrition including high doses of mother's own breast milk decreases the risk of potentially preventable serious complications, her work has made significant and long-lasting contributions to improving the health of premature and critically ill infants in the neonatal intensive care unit.

Dr. Parker has developed nutritional strategies that health care providers have integrated into their daily practice thus improving short and long-term health outcomes of the most



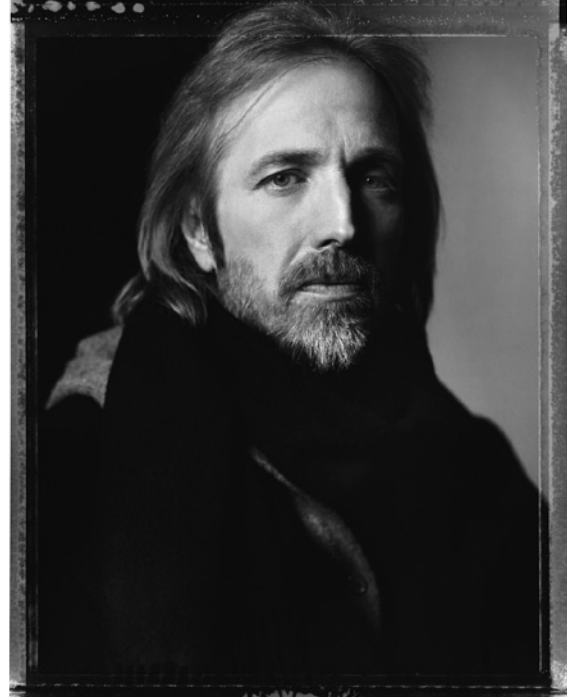
vulnerable patients, those admitted to the neonatal intensive care unit. Hospitals around the country have adapted their policies and protocols based on her team's research, which has directly improved care, as well as decreased clinician workload, cost of care, and risk of potentially serious complications.

Dr. Parker's strong history of mentoring the next generation of multidisciplinary scholars will have a long-lasting impact on global health for infants and their families. She provides real-life research experiences to teach the fundamentals of conducting research while simultaneously making research exciting and real for learners. She has mentored more than 100 undergraduate students, as well as doctoral, post-doctoral and young investigators, who have gone on to be successful clinicians and scientists.

Honorary Doctorate of Music

Tom Petty

Over his 40-plus-year career, Tom Petty became one of the biggest cultural icons in the world. Hailed as one of the greatest rock artists of all time, his list of achievements include multiple Grammy Award winner, selling more than 80 million records worldwide, Rock & Roll Hall of Fame inductee, and Super Bowl Halftime performer. His music and brand continues to reach fans, both new and old, around the world today, with more than 5.3 billion streams worldwide, more than 3.2 million followers on Facebook, more than 318k followers on Instagram, more than 454k followers on Twitter, more than 586 million views on YouTube and millions of listeners of the Tom Petty Radio channel on SiriusXM. His music defined a generation, and Gainesville defined him. As a lifelong Gators fan, he always aspired to receive an honorary doctorate from the University of Florida.



GRADUATE SCHOOL

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

DOCTOR OF PHILOSOPHY

Tania Abella Fernandez

Major: *Romance Languages—Spanish*

Dissertation: Two Forms in Competition: A Variationist Approach to the *-ra /-se* Alternation in Cuban Spanish

Dissertation Chair: J. E. Aaron

Robert P. Accolla

Major: *Biomedical Engineering*

Dissertation: Engineering Modular Oxygen-Generating, Pro-Vasculogenic Biomaterial Platforms for Cell-Based Therapies

Dissertation Chair: C. Stabler Anderson

Johnny Lee Adams

Major: *Physics*

Dissertation: Dynamics of ^3He at Ultra Cold Temperatures

Dissertation Chair: N. S. Sullivan

Seungjun Ahn

Major: *Biostatistics*

Dissertation: Novel Approaches to Differential Network Analysis Based on -Omics Data in Presence of Covariate

Dissertation Chair: S. Datta

Dissertation Co-chair: S. S. Wu

Berkay Akyapi

Major: *Economics*

Minor: *Computer Science*

Dissertation: Contemporary Economic Applications for a Changing World: Automation, Machine Learning, and Climate Change

Dissertation Chair: J. Adams

Fatmah Ahmed Alamoudi

Major: *Nursing Sciences*

Dissertation: Factors Predicting Survival in Patients with Stage II and Stage III Pancreatic Cancer at the Time of Diagnosis

Dissertation Chair: S. Yoon

Othman Alanquri

Major: *Civil Engineering*

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

Dissertation Chair: M. Tia

Scott B. Alford

Major: *Fisheries and Aquatic Sciences*

Dissertation: Salinity Effects on Gulf of Mexico Estuarine Nekton Communities

Dissertation Chair: C. Martin

Dissertation Co-chair: M. S. Allen

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

Majid Suliman Alhomidan

Major: *Linguistics*

Dissertation: Loanword Adaptation in Najdi Arabic

Dissertation Chair: C. R. Wiltshire

Amy Rose Alleyne

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: A Mechanistic Interrogation of the Sigma-1 Receptor as a Potential Treatment for Psychostimulant Use Disorder

Dissertation Chair: J. P. McLaughlin

Mayman Abdullah Almayman

Major: *Design, Construction and Planning*

Dissertation: Social Isolation and Privacy of Older Adults Living in Private Villa-Type Homes in Riyadh, Saudi Arabia: A Space Syntax Analysis

Dissertation Chair: N. Park

Dilan Su Alpergin

Major: *Economics*

Dissertation: Three Essays in Health Economics with a Focus on Consumer Behavior

Dissertation Chair: S. M. Slutsky

Emad Okrush R. Alshammari Sr.

Major: *Civil Engineering*

Dissertation: Concrete Pavement Under Extreme Weather Conditions Due to Climate Change

Dissertation Chair: M. Tia

Faisal Saleh A. Altwijri

Major: *Mechanical Engineering*

Dissertation: Performance Enhancement of Parabolic Trough Solar Collectors and Thermodynamic Analysis of Solar-Driven Absorption Cycles

Dissertation Chair: S. A. Sherif

Jamal M. Alzahrani II

Major: *Health and Human Performance*

Dissertation: The Role of Exertional Heat Stroke and Western Diet on the Long-Term Susceptibility to Cardiovascular and Liver Diseases

Dissertation Chair: T. L. Clanton

Karla Luiza Andrade Mundim

Major: *Political Science*

Dissertation: Legacies of Resistance: A Long-Range Approach to Indigenous Movement Convergence in the Andes

Dissertation Chair: B. B. Smith

Dissertation Co-chair: D. O'Neill

Jennifer W. Applebaum

Major: *Sociology*

Dissertation: Exploring the Intersection of Social Inequalities and Multispecies Family Dynamics: Implications for Human Health and Well-Being

Dissertation Chair: B. A. Zsembik

David Joseph Ariando

Major: *Electrical and Computer Engineering*

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

Dissertation Chair: S. Bhunia

Palak Arora

Major: *Mathematics*

Dissertation: Factorization and Approximation Problems for Free Polynomials

Dissertation Chair: M. T. Jury

Dissertation Co-chair: S. A. McCullough

Usman Arshad

Major: *Animal Molecular and Cellular Biology*

Dissertation: Choline: An Essential Nutrient to Improve Hepatic Metabolism and Postpartum Performance in Dairy Cows

Dissertation Chair: J. E. Santos

Marliz Arteaga

Major: *Interdisciplinary Ecology*

Dissertation: Multilevel Environmental Governance in the Amazon: The Case of Madera Hydroelectric Dam Complex Bolivia and Brazil

Dissertation Chair: S. G. Perz

Frederick James Ashby III

Major: *Medical Sciences—Genetics*

Dissertation: Optimizing AAV Treatment for Sanfilippo Syndrome Type-B

Dissertation Chair: C. D. Heldermon

Natalie Nicole Atyeo

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Analyzing Forkhead Factor Function and Regulation during Herpesvirus Infection of Oral Epithelial Cells

Dissertation Chair: B. Papp

Conner Clark Austin

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Utilization and Improvement of *Hibiscus* Species

Dissertation Chair: D. G. Clark

Robert F. Baez

Major: *Sociology*

Dissertation: Politicizing Pride: A Grounded Theory of Queer Liberation Organizing in New York City

Dissertation Chair: K. L. Broad-Wright

Louise Marjorie Ball

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Investigating the Interaction between *Chlamydia trachomatis* and *Neisseria gonorrhoeae* during *in Vitro* Co-Infection

Dissertation Chair: A. T. Maurelli

Maximiliano Barbosa

Major: *Agronomy*

Dissertation: Biological and Environmental Drivers of Microbial Eukaryotes from Tropical and Subtropical Aquatic Ecosystems

Dissertation Chair: H. D. Laughinghouse IV

Adrian Barry Sosa

Major: *Microbiology and Cell Science*

Dissertation: Microbial Communities of the Upper Floridan Aquifer, U.S.A.: Composition, Structure, and Contributions to Biogeochemical Cycling

Dissertation Chair: B. C. Christner

Mark McColl Bell

Major: *Counseling and Counselor Education*

Dissertation: Immersion and Nature in Virtual Reality: Evaluating the Roles of Anxiety, Attention, and Presence in Virtual Reality Environments

Dissertation Chair: J. Swank

Pearis Lynae Bellamy

Major: *Counseling Psychology*

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

Dissertation Chair: D. V. Mosley

Dissertation Co-chair: M. Heesacker

Shawna K. Bellamy

Major: *Entomology and Nematology*

Dissertation: Trait and Density-Mediated Effects of Predation in *Aedes aegypti* Mosquitoes

Dissertation Chair: B. W. Alto

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

Simon M. Berger

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Translational Studies to Streamline the Bioequivalence Assessment of Respiratory Drug Products

Dissertation Chair: G. Hochhaus

Dissertation Co-chair: J. B. Bulitta

Rohit Milind Bhagwat

Major: *Mechanical Engineering*

Dissertation: Characterization of Ionic Liquid Based Semi-Open Absorption System for Dehumidification and Water Heating

Dissertation Chair: S. Moghaddam

Prashant Bhandari

Major: *Horticultural Sciences*

Dissertation: Genetic Architecture of Horticultural Traits in Fresh-Market Tomato

Dissertation Chair: T. Lee

Shreejana Bhattarai

Major: *Geography*

Dissertation: Evaluating the Progress of Malaria Control and Effectiveness of Vector Control Interventions for Eliminating Malaria from Nepal

Dissertation Chair: S. J. Ryan

Lorenzo Nicolas Bizzio

Major: *Plant Molecular and Cellular Biology*

Dissertation: Insights into the Molecular Basis of Branched-Chain Ester Volatile Biosynthesis and Accumulation in Blueberry Fruits

Dissertation Chair: P. R. Munoz

Logan E. Blue

Major: *Computer Science*

Dissertation: Securing Voice Interfaces

Dissertation Chair: P. Traynor

Megan Borel

Major: *Geology*

Dissertation: Extensional Tectonics and 3D Development of the Pioneer Metamorphic Core Complex, Idaho

Dissertation Chair: D. A. Foster

Robinson Botero-Arias

Major: *Wildlife Ecology and Conservation*

Dissertation: Population Trends and Dynamics, Reproductive Ecology, and Management of Black Caiman (*Melanosuchus niger*) in the Middle Sõlimoes River, Mamiraua Reserve, Brazil

Dissertation Chair: B. A. Loiselle

Dissertation Co-chair: J. G. Blake

Jonathan Gabriel Bradley-Thrush

Major: *Mathematics*

Dissertation: Symmetries in the Theory of Basic Hypergeometric Series

Dissertation Chair: F. G. Garvan

Miurel Brewer

Major: *Soil and Water Sciences*

Minor: *Horticultural Sciences*

Minor: *Agronomy*

Dissertation: Citrus Row Middle Management Using Cover Crops for Suppressing Weeds and Improving Soil

Dissertation Chair: D. M. Kadyampakeni

Dissertation Co-chair: R. G. Kaniserry

Andrew V. Brooks

Major: *Physics*

Dissertation: Fundamentals of Charge Transport in Hybrid Perovskite

Dissertation Chair: X. Zhang

William R. Buratto

Major: *Chemistry*

Dissertation: Design of Multimetallic Clusters for Biologically Inspired Small Molecule Activation: Insight into Structure and Electronic Control of the Extent of Activation

Dissertation Chair: L. J. Murray

David G. Burrell

Major: *Mathematics*

Dissertation: Computation of Finite Groups

Dissertation Chair: A. Turull

Elizabeth C. Calienes

Major: *Design, Construction and Planning*

Dissertation: Designing for Authenticity: Millennial Perceptions of Retail Design Environments

Dissertation Chair: M. B. Portillo

Laura M. Callahan

Major: *Romance Languages—Spanish*

Dissertation: Filling the Void: Identity, Psychoanalysis, and Memory Reconstruction in Documentary Film by and about Children of Argentina's *Desaparecidos*

Dissertation Chair: M. E. Sorbille

Christopher John Calton

Major: *History*

Dissertation: Monstrous Monopolies and Vicious Competition: The General Incorporation Movement in Nineteenth-Century America

Dissertation Chair: S. P. Adams

Miles Edward Cameron

Major: *Rehabilitation Science*

Dissertation: Identification of Mechanisms and a Novel Therapeutic to Counter Cancer-associated Cachexia

Dissertation Chair: A. R. Judge

Peijuan Cao

Major: *Curriculum and Instruction*

Dissertation: Exploring the Effects of Pictures and Genre on Second Graders' Oral Reading Behavior and Comprehension

Dissertation Chair: Z. Fang

Ting Cao

Major: *Food and Resource Economics*

Dissertation: The Effect of the Opioid Crisis on the Farm Sector: Implications from the Rural Economy

Dissertation Chair: C. B. Moss

Júlio César Cardoso Cruz

Major: *Food and Resource Economics*

Dissertation: Three Essays to Support Decision-Making in the Face of Challenges Imposed by Citrus Greening in Florida

Dissertation Chair: L. A. House

Dissertation Co-chair: C. Court

Tyler Jonathan Carney

Major: *Forest Resources and Conservation*

Dissertation: Provisioning and Valuation of Ecosystem Services: Considerations for Land Management and Policy Decisions

Dissertation Chair: D. Adams

Dissertation Co-chair: A. I. Susaeta Larrain

Clarissa Lynne Carr

Major: *Design, Construction and Planning*

Dissertation: More than Meets the Eye: Layers of Significance In Architect Harry Cline Merritt, Jr's Residential Designs

Dissertation Chair: K. E. Larsen

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

Jhonti Chakraborty

Major: *Chemistry*

Dissertation: Chemistry of Group VI Metal Carbon and Nitrogen Multiple Bonds and NHC Ligand Bound iClick Complexes of Platinum Butadiyne

Dissertation Chair: A. S. Veige

Derek William Chamberlin

Major: *Fisheries and Aquatic Sciences*

Dissertation: Examination of Reef Fish Ageing Error via Novel Methods and Stock Assessment Simulations

Dissertation Chair: W. F. Patterson III

Dehao Chen

Major: *Public Health*

Dissertation: Smallholder Livestock Farming, *Campylobacter* Infection, and Child Undernutrition in Low- and Middle-Income Countries, and Epidemiological Case Studies from Eastern Ethiopia

Dissertation Chair: S. Liang

Dissertation Co-chair: A. H. Havelaar

Yuhao Chen

Major: *Industrial and Systems Engineering*

Dissertation: Evaluating the Effects of Collaborative Robots on Human Co-Workers and Designing the Framework for Implementing Industrial Human-Robot Collaboration

Dissertation Chair: B. Hu

Animesh Chhotaray

Major: *Computer Science*

Dissertation: A Provable-Security Treatment of Circuit-Design Intellectual-Property Theft

Dissertation Chair: T. Shrimpton

Jonathan Joseph Chiarella

Major: *Political Science*

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

Dissertation Chair: Z. A. Selden

Kwansun Cho

Major: *Electrical and Computer Engineering*

Minor: *Communication Sciences and Disorders*

Dissertation: Foreign Accent Assessment in Second-Language Vowels

Dissertation Chair: J. G. Harris

Lindsey Morgan Christman

Major: *Food Science*

Dissertation: The Activity of Cranberry Juice and Dealcoholized Muscadine Wine to Improve Women's Skin Conditions and the Effect of Muscadine Polyphenols on Arthritis in Mice

Dissertation Chair: L. Gu

Craig A. Cieslikowski

Major: *English*

Dissertation: *Bothering with Details: A Practical Guide to Investigating Laura*

Dissertation Chair: R. B. Ray

Anthony Michael Colas

Major: *Computer Science*

Dissertation: *Knowledge Graph Guided Narrative Generation*

Dissertation Chair: Z. Wang

Coralys Marie Colón Morales

Major: *Industrial and Systems Engineering*

Dissertation: *Data Analytics and Stochastic Models for Informed Decision Making in Healthcare*

Dissertation Chair: M. M. Alvarado

Aaron J. Colverson

Major: *Music*

Dissertation: *A Neuro-Ethnomusicology of Aging: Exploring Rhythm Perception and Brain Health between Disciplines*

Dissertation Chair: W. A. Tremura

Jacob Elliot Combs

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: *Development of Novel Triple Negative Breast Cancer Therapies via Selective Inhibition of Carbonic Anhydrase IX*

Dissertation Chair: R. McKenna

Lauren Roberts Combs

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: *The Inhibitor of DNA-Binding Protein Family and Their Role in the Biphasic Lifecycle of Kaposi's Sarcoma-associated Herpesvirus*

Dissertation Chair: Z. Toth

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

Juan Manuel Córdova

Major: *Educational Leadership*

Dissertation: *State K-12 Funding Formula for English Learner Weights and English Learner Student Achievement: A Public Policy Analysis*

Dissertation Chair: L. B. Eldridge

Dissertation Co-chair: D. Miller

Ricardo L. Couto-Rodriguez

Major: *Microbiology and Cell Science*

Dissertation: *Lysine Acetylation and Its Role in Maintaining Redox Homeostasis in *Haloferax volcanii*: Insight through an Extremophile*

Dissertation Chair: J. A. Maupin

Matthew Paul Cowley

Major: *Curriculum and Instruction*

Dissertation: *A Critical Race Phenomenographic Study of Students' Conceptions of an Antiracist Professional Identity*

Dissertation Chair: S. G. Terzian

Kendall Catherine Craig

Major: *Chemistry*

Dissertation: *Design and Synthesis of Glycosylphosphatidylinositol Anchor Analogues for Biological Investigation*

Dissertation Chair: Z. Guo

James W. Crosby

Major: *Veterinary Medical Sciences*

Dissertation: Dog Bite Related Human Fatalities: A Scientific Study

Dissertation Chair: J. H. Byrd

Shana Cui

Major: *Economics*

Dissertation: Three Essays in Industrial Organization

Dissertation Chair: D. Sappington

Yiming Cui

Major: *Electrical and Computer Engineering*

Dissertation: Weakly Supervised Point Cloud Semantic Segmentation with Graph Convolutional Networks

Dissertation Chair: A. Z. Glenn

Erika Lynn Davis

Major: *Curriculum and Instruction*

Dissertation: Confronting the White Renaissance: Educational Advocacy and Gentrification in the New Latinx Diaspora

Dissertation Chair: C. L. Busey

Lauren Savannah Dewberry

Major: *Biomedical Engineering*

Dissertation: High Frequency Neuromodulation for the Treatment of Chronic Pain

Dissertation Chair: K. Otto

Dissertation Co-chair: K. Allen

Xizheng Diao

Major: *Chemistry*

Dissertation: Method Development in MALDI-Based Imaging Mass Spectrometry: Gas-Phase Derivatization, Sample Preparation and Ionization Source Modification

Dissertation Chair: B. M. Prentice

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

Clebson Dos Santos Tavares Sr.

Major: *Entomology and Nematology*

Dissertation: Midgut Surface Proteome of *Diaphorina Citri* and Toxicity of Gut-Targeting Insecticidal Proteins for Use in Citrus Greening Management

Dissertation Chair: B. Bonning

Michael Kyle Dresback

Major: *Educational Leadership*

Dissertation: High School Principal Beliefs on Data-Driven Decision-Making and Its Potential Effect on Student Achievement in Florida

Dissertation Chair: L. B. Eldridge

Adrienne Michelle Dykstra

Major: *Wildlife Ecology and Conservation*

Dissertation: Incorporating the Effects of Invasive Wild Pigs on Native Wildlife Behavior and Population Parameter Estimation

Dissertation Chair: M. A. Lashley

Michelle Nathalie Eliasson

Major: *Sociology*

Dissertation: Police Officers' Perceptions of Battery Victims' Credibility

Dissertation Chair: B. A. Zsembik

Joseph A. Ellis

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Regulation and Modulation of Alternative Splicing Outcomes by RNA Binding Proteins

Dissertation Chair: J. A. Berglund

Carlyn Nicole Ellison

Major: *Rehabilitation Science*

Dissertation: Development, Reliability, and Validity of a Safety Tool for Older Adult Pet Owners

Dissertation Chair: S. Classen

Thioro Fall

Major: *Horticultural Sciences*

Dissertation: The Fate of Phosphorus Fertilizer in Potato Cropping Systems with High-Legacy Phosphorus in Florida

Dissertation Chair: G. Liu

Sinomar Ferreira Da Fonseca Jr.

Major: *Interdisciplinary Ecology*

Dissertation: Strategies of Indigenous Peoples Facing Infrastructure Projects in the Middle Madeira River, Southern Brazilian Amazon

Dissertation Chair: S. G. Perz

Dissertation Co-chair: C. M. Tucker

Maria-Jose Ferrer Fernandez

Major: *Chemistry*

Dissertation: Advancements in Spin Order Transfer and Synthesis of Hyperpolarized Metabolites with Parahydrogen

Dissertation Chair: C. R. Bowers

Yesenia L. Franco

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Investigating the Effectiveness of Milk-Derived Exosomes to Improve Lapatinib Pharmacokinetic and Pharmacodynamic Profiles

Dissertation Chair: R. Cristofolletti

Wendel Matthew Friedl III

Major: *Psychology*

Dissertation: Responses to Classically Conditioned Single Predictive Features in the Human Visual System

Dissertation Chair: A. Keil

Jake Philip Gale

Major: *Business Administration—Management*

Dissertation: Rudeness Causing Selfish Behavior in Social Dilemmas: The Role of Threat Response and How to Prevent It

Dissertation Chair: A. Erez

Huan Gao

Major: *Curriculum and Instruction*

Dissertation: Transcultural Information Literacies: Transnational Multilingual Students Navigating Online Information

Dissertation Chair: A. M. Kohnen

Dissertation Co-chair: D. Fu

Emanuel Garcia Munoz

Major: *Economics*

Dissertation: Three Essays in Applied Microeconomics

Dissertation Chair: H. H. Sandoval Gutierrez

Prerak Garg

Major: *Astronomy*

Dissertation: Modeling Nebular Emission in Cosmological Galaxy Formation Simulations

Dissertation Chair: D. T. Narayanan

Greity Gonzalez Rivera

Major: *Romance Languages—Spanish*

Dissertation: Neoliberalismo, industria editorial y novela en Nicaragua y Uruguay

Dissertation Chair: M. E. Sorbille

Cady Marie Gonzalez Valdivia

Major: *Anthropology*

Dissertation: Vital Hospitality: Cleaning and Greening as Governance in an African City

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 Improving Surface Properties

Dissertation Chair: W. M. Sigmund

Dissertation Co-chair: K. J. Ziegler

Matthew T. Gordon

Major: *Chemistry*

Dissertation: Exploring the Noncanonical Aspects of the Nematode Biosynthetic Pathway in the Nematode *C. elegans*

Dissertation Chair: R. A. Butcher

Tristan Richard Grams

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Dissecting the Roles of Herpes Simplex Virus-1 Long Non-Coding RNAs on the Regulation of Viral Infection

Dissertation Chair: D. C. Bloom

Emily Kathryn Griffin

Major: *Veterinary Medical Sciences*

Dissertation: Per- and Polyfluoroalkyl Substances (PFAS) in Aquatic Abiotic and Biotic Matrices and Their Subsequent Impact on Seagrass Physiology

Dissertation Chair: J. A. Bowden

Agustin Guerra Hernandez

Major: *Civil Engineering*

Dissertation: Optimizing Signalized Coordinated Arterial Performance in a Fully Automated Environment: A Heuristic Approach

Dissertation Chair: A. Elefteriadou

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

Kimberly Daniela Hafner

Major: *Agricultural and Biological Engineering*

Dissertation: Evaluation of Factors Affecting Dry Ice Sublimation Cooling Performance for Cold Chain Applications

Dissertation Chair: B. A. Welt

Fei He Hagan

Major: *Food and Resource Economics*

Dissertation: Farm-Scale and Regional Economic Implications of Agricultural Land Use and 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

Hunter B. Hakimian

Major: *Biomedical Engineering*

Dissertation: Assessment of Novel Engineering Methods for Developing Type 1 Diabetes Therapy

Dissertation Chair: K. Otto

Michael Paull Hanna

Major: *Chemistry*

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

Dissertation Chair: M. Harris

Haiyan Hao

Major: *Design, Construction and Planning*

Dissertation: Deep Community Resilience Assessment Integrating Humans, Hazards, and Built Environment

Dissertation Chair: Y. Wang

Dissertation Co-chair: C. J. Anumba

Thomas James Harrington

Major: *Political Science*

Dissertation: The Ironic Institutionalization of Affordable Housing Policy as a Permanent Relief Arrangement during the Era of New Federalism

Dissertation Chair: B. A. Rosenson

Cora Coker Hart

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: The Duchenne Cardiomyopathy: Considerations for Animal Models and Therapeutics

Dissertation Chair: H. L. Sweeney

Iryna Hartsock

Major: *Mathematics*

Dissertation: Topology of Persistence Diagram Spaces and Stem Cell Differentiation Patterns

Dissertation Chair: P. Bubenik

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

Xi He

Major: *Design, Construction and Planning*

Dissertation: A Data Quality Measurement and Control Framework for Improved Data Mining in Construction Projects

Dissertation Chair: R. Liu

Dissertation Co-chair: C. J. Anumba

Caroline M. Hill

Major: *Mechanical Engineering*

Dissertation: Materials and Methods for Improving Solar Chemical-Looping Reforming of Methane

Dissertation Chair: J. Scheffe

Rachel Louise Mahealani Ho

Major: *Health and Human Performance*

Dissertation: Central Mechanisms of Fear of Movement in Individuals with Chronic Low Back Pain

Dissertation Chair: S. A. Coombes

Dissertation Co-chair: D. E. Vaillancourt

Eaven Thomas Holder

Major: *Criminology, Law, and Society*

Dissertation: Essays on the Measurement, Classification, and Reporting of Hate Crime in the United States

Dissertation Chair: C. L. Gibson

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

Fanran Huang

Major: *Chemistry*

Dissertation: Characterization and Analysis of Glycosphingolipids from Biological Samples via Two-Stage Matching of LC-MS/MS Spectra

Dissertation Chair: Z. Guo

Jinsheng Huang

Major: *Agricultural and Biological Engineering*

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

Dissertation Chair: B. Gao

Rusong Huang

Major: *Philosophy*

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

Dissertation Chair: G. Witmer

Tong Huang

Major: *Chemistry*

Dissertation: Mechanistic Analysis of Substrate Recognition and Catalytic Mechanism of Ribonucleases in Pathogens

Dissertation Chair: M. Harris

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

Jarrold Holmes Humphrey

Major: *Business Administration—Management*

Dissertation: Three Essays on Entrepreneurial Strategy

Dissertation Chair: D. G. Ross

Rachel L. Hybart

Major: *Biomedical Engineering*

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

Dissertation Chair: D. P. Ferris

Axton R. Isaly

Major: *Mechanical Engineering*

Dissertation: Safe Control Design for Uncertain Nonlinear Systems Using Multiple Control Barrier Functions

Dissertation Chair: W. E. Dixon

Jennifer Catherine Jackson

Major: *Environmental Engineering Sciences*

Dissertation: Exploration of Strategies for Mitigating Biofouling on Thin-Film Composite Membranes Using Naturally Derived Nanomaterials

Dissertation Chair: A. Fonseca de Faria

Ammar L. Jahin

Major: *Physics*

Dissertation: Topological Superconductors and Applications in Quantum Computations

Dissertation Chair: Y. Wang

Joseph D. Jefferson Jr.

Major: *Coastal and Oceanographic Engineering*

Dissertation: Large Amplitude Internal Waves and Sediment Transport

Dissertation Chair: A. A. Sheremet

Alexander Douglass Jess

Major: *Chemical Engineering*

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

Dissertation Chair: C. J. Hages

Haotian Jiang

Major: *Electrical and Computer Engineering*

Dissertation: Incorporating Additional Structural Knowledge for Computer Vision and Natural Language Processing Models

Dissertation Chair: J. Harley

Harold Jimenez Polo

Major: *Mathematics*

Dissertation: Arithmetic of Polynomial-Like Semidomains

Dissertation Chair: R. M. Crew

Ross A. Joseph

Major: *Microbiology and Cell Science*

Dissertation: Mycangial Colonization and Molecular Mechanisms of Fungal Symbiosis in the *Harringtonia lauricola* (Laurel Wilt)/Ambrosia Beetle Mutualism

Dissertation Chair: N. O. Keyhani

Jaewon Kang

Major: *Rehabilitation Science*

Dissertation: Improving Home Safety and Accessibility for Individuals with Disabilities

Dissertation Chair: S. Romero

Claire Beth Karnap

Major: *English*

Dissertation: Sensibility and Women's Well-Being in British Literature of the Long Eighteenth Century

Dissertation Chair: R. Maioli dos Santos

Sara Elizabeth Kearney

Major: *Chemistry*

Dissertation: Design and Synthesis of Axially Chiral Cannabinoids: A New Twist on Drug Discovery

Dissertation Chair: A. J. Grenning



Maryam Khalilzadeh

Major: *Plant Pathology*

Dissertation: Characterizing *Citrus tristeza virus* Host Interactions Involved in Stem-Pitting Phenotype

Dissertation Chair: A. Levy

Catherine Brady Kishel

Major: *Psychology*

Dissertation: An Empirical Assessment of Programmed Consequences to Problem Behavior

Dissertation Chair: T. R. Vollmer

Travis Jerome Klee

Major: *Zoology*

Dissertation: Reciprocal Phenotypic Plasticity: Exploring the Effects of Predator Behavioral Plasticity in Predator Prey Interactions Using Empirical and Theoretical Approaches

Dissertation Chair: C. M. St. Mary

Dissertation Co-chair: C. N. Keiser

Angie Barrett Korpusik

Major: *Chemistry*

Dissertation: Using Light to Control the Formation, Modification, and Degradation of Polymers

Dissertation Chair: B. S. Sumerlin

Jessica Nicole Kraft

Major: *Medical Sciences—Neuroscience*

Dissertation: Examining the Impact of Transcranial Direct Current Stimulation and Cognitive Training on Processing Speed in Older Adults

Dissertation Chair: A. J. Woods

Akhil Ravindra Kshirsagar

Major: *Geography*

Dissertation: The Ecology and Impacts of Human-Animal Interactions across Geographies

Dissertation Chair: T. J. Fik

Dissertation Co-chair: K. L. Valenta

Rahul Kumar

Major: *Chemistry*

Dissertation: Synthesis of Manganese-Oxo Clusters as Molecular Nanoparticles of Manganese Oxides

Dissertation Chair: G. Christou

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

Oscar Lafontaine

Major: *Civil Engineering*

Dissertation: Experimental and Analytical Modeling of the Spatio-Temporal Surface Pressure Distributions on Air-Permeable Building Cladding Systems

Dissertation Chair: D. Prevatt

Elizabeth Helen Lambert

Major: *English*

Dissertation: Marcel Proust, Architecture, and the Modernist Spatial Imaginary

Dissertation Chair: M. C. Bryant

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

Liva Gabrane LaMontagne

Major: *Youth Development and Family Sciences*

Dissertation: Acceptability, Usage, and Preliminary Outcomes of a Mindfulness Training App among College Students

Dissertation Chair: D. C. Diehl

Dissertation Co-chair: J. L. Doty

Emerick M. Larkin

Major: *Agricultural and Biological Engineering*

Dissertation: Lettuce Rhizocommunity Structures and Dynamics in Field and Hydroponic Agriculture Systems

Dissertation Chair: M. J. Correll

Dissertation Co-chair: E. Z. Bean

Jennifer Kay Lee

Major: *Nutritional Sciences*

Dissertation: Mechanisms of Iron Transport in Hereditary Hemochromatosis and during Intestinal Inflammation in Sprague-Dawley Rats

Dissertation Chair: J. F. Collins

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

Jie Li

Major: *Curriculum and Instruction*

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

Dissertation Chair: E. J. de Jong

Jiehan Li

Major: *Research and Evaluation Methodology*

Dissertation: Collecting Content-Related Validity Evidence for the Educational Assessment Using Topic Modeling Approaches

Dissertation Chair: D. Miller

Dissertation Co-chair: A. C. Manley

Xiaolong Li

Major: *Public Health—One Health*

Dissertation: Applying Geospatial Approaches to Studying the Epidemiology of Enteric Illnesses at Different Scales

Dissertation Chair: S. Liang

Dissertation Co-chair: A. H. Havelaar

Ying Li

Major: *Mathematics*

Dissertation: Efficient Ensemble Methods for Simulating Groundwater-Surface Flows

Dissertation Chair: N. Jiang

Alexander James Lilley

Major: *Aerospace Engineering*

Dissertation: Prevention of Dynamic Stall Using High Frequency Plasma Actuators

Dissertation Chair: S. Roy

Keng-Yu Lin

Major: *Linguistics*

Dissertation: Neural Oscillations of Processing English *wh*-Dependencies: An EEG Study

Dissertation Chair: E. Kaan

Yuanhang Lin

Major: *Computer Science*

Dissertation: Addressing Spectral Variability in Hyperspectral Unmixing and Multitemporal Hyperspectral Classification

Dissertation Chair: P. D. Gader

Dissertation Co-chair: K. Huang

Hui Liu

Major: *Plant Molecular and Cellular Biology*

Dissertation: Roles of Prephenate Aminotransferase on Seed and Plant Development

Dissertation Chair: D. R. McCarty

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

Yong Liu

Major: *Youth Development and Family Sciences*

Dissertation: Field Crop Farmers' Climate Change Adaptation and Resilience: From Incremental to Transformative

Dissertation Chair: J. Ruiz-Menjivar

Jasmine Lopez

Major: *Horticultural Sciences*

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

Dissertation Chair: S. F. Hutton

Fan Lu

Major: *Electrical and Computer Engineering*

Dissertation: Convex Q-Learning: Theory and Applications

Dissertation Chair: S. P. Meyn

Yue Luo

Major: *Industrial and Systems Engineering*

Dissertation: Residential Environmental Interventions and Biomechanics Outcomes among Community-Dwelling Older Adults

Dissertation Chair: B. Hu

Chaoyi Ma

Major: *Computer Science*

Dissertation: Efficient Sketch Designs and Novel Statistical Methods in Streaming Algorithms for Network Traffic Measurement

Dissertation Chair: S. Chen

Nima John Madani

Major: *Public Health—One Health*

Dissertation: Investigating Impacts of Angiotensin Type 1 Receptor Antagonists on Peroxisome Proliferator Activated Receptor in *Danio rerio* (Zebrafish)

Dissertation Chair: T. L. Sabo-Attwood

Jennifer Lauren Maizel

Major: *Public Health—Social and Behavioral Sciences*

Dissertation: Impacts of the COVID-19 Pandemic on Underserved Communities with Diabetes

Dissertation Chair: A. F. Walker

Michael Derrick Mannchen

Major: *Chemistry*

Dissertation: Improving the Cope Rearrangements of 3,3-Dicyano-1,5-Dienes through Chemoselective Reduction and Substrate Modification

Dissertation Chair: A. J. Grenning

Felipe Marinelli Affonso

Major: *Business Administration—Marketing*

Dissertation: Marketing by Design: The Influence of Perceptual Structure On Brand Performance

Dissertation Chair: C. A. Janiszewski

Sankalp Mathur

Major: *Economics*

Dissertation: Market Power in International Trade Policy

Dissertation Chair: G. Heins

David Bruce May III

Major: *Agronomy*

Dissertation: Genome Editing in Polyploid Grasses

Dissertation Chair: F. Altpeter

Kevin S. McDaniel

Major: *Anthropology*

Dissertation: Gastronauts of the Lower Amazon: Shell, Ceramics, and Landscape across Two Millennia in Caxiuaná

Dissertation Chair: M. J. Heckenberger

Sharon Medina

Major: *Rehabilitation Science*

Dissertation: Self-Advocacy for Supporting Performance across Roles and Contexts of Young Adults with Learning Disabilities and Attention-Deficit/Hyperactivity Disorder

Dissertation Chair: C. M. Kreider

Dimitrios Melissourgos

Major: *Computer Science*

Dissertation: Dynamic Sketches for Adaptive Real-Time Network Traffic Monitoring

Dissertation Chair: S. Chen

Raphaela M. Meloro

Major: *Anthropology*

Dissertation: Barriers to Lifecare and Deathcare for Transgender and Gender Diverse Individuals

Dissertation Chair: V. B. DeLeon

Lingsong Meng

Major: *Biostatistics*

Dissertation: Outcome-guided Clustering Methods for Disease Subtype Discovery

Dissertation Chair: Z. Huo

Mario Midence Ordoñez

Major: *Mathematics*

Dissertation: Rank Distribution of Rooted Trees

Dissertation Chair: M. Bona

Mihana Samantha Mitchell

Major: *Philosophy*

Dissertation: Social Suffering: A Moral Concept

Dissertation Chair: J. Ahlberg

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

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

Carly S. Muir

Major: *Geography*

Dissertation: Environmental Change in Ethiopia: Examining the Relationship between Climate, Vegetation, and Agricultural Land Use

Dissertation Chair: J. Southworth



Roberto Gerardo Muñoz-Pando

Major: *Anthropology*

Dissertation: *Archaeology of Money in Colonial Puerto Rico*

Dissertation Chair: C. McCarty

July Dayane Nelson

Major: *Agricultural Education and Communication*

Dissertation: *Strengthening the Methods to Generate Valid Contribution Claims of Impact: A Developmental Example from the NIOSH Centers For Agricultural Safety and Health*

Dissertation Chair: S. Galindo

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

Binh K. Nguyen

Major: *Medical Sciences—Neuroscience*

Dissertation: *Phenotype and Neuroimaging of Hoarding Disorder in Late Life Depression*

Dissertation Chair: C. A. Mathews

Dissertation Co-chair: D. G. Lamb

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

Long Thanh Nguyen

Major: *Chemical Engineering*

Dissertation: *Harnessing CRISPR-Cas and Transposon-Associated Systems for Diagnostics and Gene Editing*

Dissertation Chair: P. K. Jain

Truc Nguyen

Major: *Computer Engineering*

Dissertation: *When Federated Learning Meets Blockchain: A New Foundation for Trustworthy Distributed Learning*

Dissertation Chair: M. T. Thai

Justin Eugene Norkett

Major: *Materials Science and Engineering*

Dissertation: *On the Multiplicity of Mechanisms of Liquid Metal Embrittlement*

Dissertation Chair: V. M. Miller

Andrew Joseph O'Connor

Major: *Materials Science and Engineering*

Dissertation: *An Aerospace Structural Neutron Absorbing Composite Consisting of a Lightweight Metal Matrix Reinforced by Absorbing Particles*

Dissertation Chair: M. V. Myers

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

Oren Okhovat

Major: *History*

Dissertation: *Cosmopolitan Empire: Portuguese Jewish Merchants and Iberian Imperialism in the Seventeenth-Century Atlantic*

Dissertation Chair: N. Caputo

David Omobolaji Olabiyi

Major: *Entomology and Nematology*

Dissertation: *Biology, Ecology and Management of Hibiscus Mealybug, *Nipaecoccus viridis* (Newstead), in Florida Citrus*

Dissertation Chair: L. M. Diepenbrock

Egem Ozbudak

Major: *Plant Pathology*

Dissertation: Transcriptome Analysis of the Fungal Strawberry Pathogen *Colletotrichum nymphaeae*

Dissertation Chair: L. M. Cano Mogrovejo

Cheng-Yen Pan

Major: *Chemistry*

Dissertation: Design and Synthesis of Rosette-Forming Donor-Acceptor Pi-Conjugated Molecules for Organic Solar Cells

Dissertation Chair: R. K. Castellano

Emily E. Pappo

Major: *Interdisciplinary Ecology*

Dissertation: Evaluating Climate Resilience of Arabica Coffee (*Coffea arabica*) Agroecosystems

Dissertation Chair: S. Flory

Dissertation Co-chair: C. H. Wilson

Omkar Sudhir Patil

Major: *Mechanical Engineering*

Dissertation: Implicit and Deep Learning-Based Control Methods for Uncertain Nonlinear Systems

Dissertation Chair: W. E. Dixon

Ashkan Tapia Paykar

Major: *Physics*

Dissertation: Magnetic Anisotropy and Anisotropic Magnetoresistance in Microstructured $(La_{1-y}Pr_y)_{1-x}Ca_xMnO_3$ Thin Films

Dissertation Chair: A. Biswas

Gustavo Perez Sanchez

Major: *Physics*

Dissertation: Modeling the Synchrotron Relativistic Jet Base of Microquasars

Dissertation Chair: S. S. Eikenberry

Leeana D. Peters

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Using Single Cell Multiomics to Investigate Dysregulated Pathways in T1D

Dissertation Chair: T. M. Brusko

Adrienne L. Provost

Major: *Curriculum and Instruction*

Dissertation: Digging in the Wrong Place: Tracing Discursive Artifacts of Humanistic Education in the Community College

Dissertation Chair: S. G. Terzian

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

Edwin Rajeev

Major: *Coastal and Oceanographic Engineering*

Dissertation: Optimizing Fish Swimming in Turbulent Flows: A Numerical and Experimental Study

Dissertation Chair: A. Canestrelli

Sushant Shashikant Rassay

Major: *Electrical and Computer Engineering*

Dissertation: Scandium-Aluminum-Nitride Nano-Electro-Mechanical Transducers for Integrated Ferroelectric Devices

Dissertation Chair: R. Tabrizian

Ratnayake Mudiyansele Madhushi Niroshika Ratnayake

Major: *Chemistry*

Dissertation: Biosynthesis, Salvage, Transport, and Regulation of Small Secondary Metabolites

Dissertation Chair: S. D. Bruner

Munaza Riaz

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Pharmacotherapy in Heart Failure with Preserved Ejection Fraction: Trends, Costs, Effectiveness, and Safety

Dissertation Chair: H. Park

Brianna Richardson

Major: *Computer Science*

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

Dissertation Chair: J. E. Gilbert

Kierstin Marie Riels

Major: *Psychology*

Dissertation: Characterizing the Timecourse of Association Development from Behavior to Brain

Dissertation Chair: A. Keil

Dalton Ringey

Major: *Music*

Dissertation: Compositional Use of Contemporary Techniques for Clarinet and Bass Clarinet: A Survey of Literature

Dissertation Chair: S. F. Lee

Tracoyia A. Roach

Major: *Microbiology and Cell Science*

Dissertation: Regulation of the STAT3 Signaling Pathway by Lupus Susceptibility Gene, *Pbx1*

Dissertation Chair: J. Larkin III

Dissertation Co-chair: L. M. Morel

Rakeem Untavious Robinson[†]

Major: *Mass Communication*

Dissertation: Narratives and Counter-narratives Regarding Mental and Physical Health for Marginalized Communities

Dissertation Chair: T. A. Kelleher

Joshua Andrew 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

Alexander David Roman

Major: *Physics*

Dissertation: Leveraging Interpretable Machine Learning with Application to Particle Physics and Exoplanets

Dissertation Chair: K. T. Matchev

Hernan R. Rosario Rivera

Major: *Romance Languages—Spanish*

Dissertation: Trigger Effect of Cognates in the Production of Voice Onset Time in Code-Switching

Dissertation Chair: J. R. Valdés Kroff

Dissertation Co-chair: G. E. Lord-Ward

Carley Theresa Rusch

Major: *Nutritional Sciences*

Dissertation: Effect of a Mediterranean Diet on Gastrointestinal Function in People with Parkinson's Disease

Dissertation Chair: R. J. Henken

Dissertation Co-chair: A. Mathews

Shabnam Sadeghibaniani

Major: *Agronomy*

Dissertation: Evaluating Relationships between Extractable Soil Silicon and Sugarcane/Rice Yield on Florida Mineral and Organic Soils

Dissertation Chair: J. M. McCray

[†]posthumous

Santosh Sanjel

Major: *Plant Pathology*

Dissertation: Epidemiological Studies of Peanut Stem Rot: Factors Influencing Disease Progress and Risk Prediction

Dissertation Chair: I. M. Small

Dissertation Co-chair: D. L. Wright

John M. Santiago

Major: *Horticultural Sciences*

Dissertation: Effects of Fertilizer Inputs, Natural Amendments, and Cultural Practices on Citrus Root and Rhizosphere Health

Dissertation Chair: L. Rossi

Sadia Sarwar

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Exploring Novel Chemotherapeutic Combinations to Overcome Taxane Therapy Resistance in Castration Resistant Prostate Cancer

Dissertation Chair: A. M. Ishov

Jacqueline Schnieber

Major: *English*

Dissertation: The Modernist (Con) Artist: The Hoaxes that Transformed the German and American Novels

Dissertation Chair: M. C. Bryant

Tessa M. Schulmeister

Major: *Animal Sciences*

Dissertation: Effects of Replacing Cottonseed Meal with Carinata Meal in Various Beef Production Phases

Dissertation Chair: N. DiLorenzo

Doosan Shin

Major: *Horticultural Sciences*

Dissertation: Elucidation of Biosynthesis and Physiological Function of Flavonols in Tomato

Dissertation Chair: J. J. Kim

Swati Shrestha

Major: *Horticultural Sciences*

Dissertation: Development and Deployment of Molecular Tools for Accelerated Breeding of Potyvirus Resistance in Squash

Dissertation Chair: G. M. Meru

Ziyu Shu

Major: *Computer Science*

Dissertation: Tomographic Reconstruction with Iterative Methods and Untrained Neural Networks

Dissertation Chair: A. Entezari

Sharmin F. Siddiqui

Major: *Environmental Engineering Sciences*

Dissertation: Quantifying the Effects of Landscape Disturbance on Ecosystem Response and Resilience in the Amazon Basin

Dissertation Chair: D. A. Kaplan

Edgar Sierra Orozco

Major: *Horticultural Sciences*

Minor: *Plant Pathology*

Dissertation: Identification, Mapping and Characterization of Resistance to Target Spot of Tomato Caused by *Corynespora cassiicola* (Berk. & Curt.) Wei

Dissertation Chair: S. F. Hutton

Nicolas Silva

Major: *Nuclear Engineering Sciences*

Dissertation: Wide-Angle Spherical Neutron Polarimetry at Oak Ridge National Laboratory

Dissertation Chair: Y. Yang

Colby Jordan Silvert

Major: *Agricultural Education and Communication*

Dissertation: Towards Gender Transformative Change in Commercializing Smallholder Farming Systems

Dissertation Chair: J. M. Diaz

Carlton James Simien Jr.

Major: *Agricultural Education and Communication*

Dissertation: The Leadership Engagement Experiences of Black First-Generation Undergraduate Males at a Land-Grant Institution

Dissertation Chair: C. E. Suarez

Dissertation Co-chair: M. P. Bengé

Alok Pratap Singh

Major: *Chemistry*

Dissertation: Molecular Approach to Ultra-Small Iron Oxide Nanoparticles

Dissertation Chair: G. Christou

Yara Noor Skaf

Major: *Mathematics*

Dissertation: Development and Applications of Topological Data Analysis for Biomedicine

Dissertation Chair: R. Laubenbacher

Thomas Arthur Hooper Smith

Major: *Wildlife Ecology and Conservation*

Dissertation: Elucidating the Effects of Habitat Loss, Fragmentation, and the Matrix across Populations and Communities Using Landscape-Scale Experiments

Dissertation Chair: R. J. Fletcher

Dissertation Co-chair: E. M. Bruna III

Carmen Ramona Smotherman

Major: *Epidemiology*

Dissertation: Air Pollution, Greenness and Their Interplay with DNA Repair Genes in Relation to Breast Cancer

Dissertation Chair: L. Yaghjian

William Clinton Snider III

Major: *Electrical and Computer Engineering*

Dissertation: Numerical Methods in Long-Wavelength Near-Field Scattering

Dissertation Chair: R. C. Moore

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

Luan Guilherme Staichak Carvalho

Major: *Civil Engineering*

Dissertation: Implementation of Framework for Joint Optimization of Connected/Autonomous Vehicles Trajectories and Signal Phase and Time in Simulated and Real-World Environments

Dissertation Chair: A. Eleftheriadou

Sarah Aron Staub

Major: *Anthropology*

Dissertation: Malaria Business: Knowledge, Power and the Governance of *Artemisia annua* in the Fight against Malaria

Dissertation Chair: A. E. Strong

Iris Lee Strzyzewski

Major: *Entomology and Nematology*

Dissertation: Manipulating Minute Pirate Bug, *Orius insidiosus* (Say), Behavior and Ecology to Improve Biological Control in Florida Fruit and Vegetable Production

Dissertation Chair: X. P. Martini

Amanda Kishino Studnicki

Major: *Biomedical Engineering*

Dissertation: Electrocortical Dynamics of Real-World Table Tennis

Dissertation Chair: D. P. Ferris

Yu-Kai Su

Major: *Chemistry*

Dissertation: Biorenewable and Water Degradable Polymers: Polyvinyl Ketals, Polyimide-Esters, and Polyacetal-Esters

Dissertation Chair: S. A. Miller

Wen Sui

Major: *Electrical and Computer Engineering*

Dissertation: Wide Bandgap Semiconductor Microelectromechanical Systems for Harsh Environment Applications

Dissertation Chair: P. Feng

Benjamin F. Swaringen

Major: *Environmental Engineering Sciences*

Dissertation: Speciation and Mobilization of Lead in Drinking Water Pipes and Use of Lead Isotope Ratios (LIR) as a Geochemical Tool for Linking Blood Lead Levels (BLLs) to Different Lead Exposure Sources

Dissertation Chair: J. J. Bonzongo

Taylor Lauren Sweet-Cosce

Major: *Counseling and Counselor Education*

Dissertation: "Through the Eyes of the Future": A Phenomenological Study Exploring the Development of Conceptual Client Frameworks in Generation Z Counselors-In-Training

Dissertation Chair: C. H. Schuermann

Abebe Mengistu Taffere

Major: *Anthropology*

Dissertation: Lithic Technological Variability in the Pre-50 ka Late Pleistocene Sequence at Mochena Borago Rockshelter, SW Ethiopia

Dissertation Chair: S. A. Brandt

Parisa Tahafchi

Major: *Electrical and Computer Engineering*

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

Dissertation Chair: J. Judy

Melvin J. Tanner

Major: *Higher Education Administration*

Dissertation: The Degree Is Worth the Sacrifice: A Multi-Site Case Study of Community College Student Persistence

Dissertation Chair: J. C. Ortagus

Savannah Abigail Tate

Major: *Psychology*

Dissertation: Assessment and Treatment of Diurnal Bruxism in Children with Autism

Dissertation Chair: T. R. Vollmer

Harsha Vardhan Tetali

Major: *Electrical and Computer Engineering*

Dissertation: On Wave-Informed Matrix Factorizations

Dissertation Chair: J. Harley

Puchong Thirawatananond

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: The Role of CD226/TIGIT Signaling on Treg Stability and Diabetes Pathogenesis in Non-Obese Diabetic Mice

Dissertation Chair: T. M. Brusko

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

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 Items

Dissertation Chair: A. C. Manley

Juan Felipe Torres González

Major: *Chemistry*

Dissertation: Design of Multimetallic Complexes for Small Molecule Activation: Implications of Nuclearity and Ligand Framework

Dissertation Chair: L. J. Murray

Vrunda S. Trivedi

Major: *Medical Sciences—Cancer Biology*

Dissertation: Novel RNA Therapeutics for Personalized Antigen-Specific Cancer Treatment

Dissertation Chair: D. Mitchell

Wen-Chih Tseng

Major: *Medical Sciences—Medical Physics*

Dissertation: Dose Calculation Strategies toward Efficient and Accurate Treatment Planning for Modern Radiotherapy

Dissertation Chair: B. Lu

Dissertation Co-chair: S. S. Samant

Douglas Carrera Turner

Major: *Economics*

Dissertation: Essays on Collusion

Dissertation Chair: D. Sappington

Dissertation Co-chair: C. G. Bet

Matthew Brian Ubl

Major: *Aerospace Engineering*

Dissertation: Regularization and Parallelization Techniques for Modern Engineering Optimization

Dissertation Chair: M. Hale



Max Philip Van Oostenburg

Major: *Anthropology*

Dissertation: The Role of Culture in Human-Environment Interaction among Recreational Anglers in Southwest Florida

Dissertation Chair: J. C. Johnson

María Paula Varela

Major: *Art History*

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

Dissertation Chair: K. Cabañas

Dissertation Co-chair: R. C. Silveri

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

Sarah Jean Wahltinez

Major: *Veterinary Medical Sciences*

Dissertation: Physiological Responses of Common Sea Stars (*Asterias rubens*) Following Short-Term Environmental Stressor Exposures

Dissertation Chair: N. I. Stacy

Dazhi Wang

Major: *Physics*

Dissertation: Measurement of the Mass and Width of the $\Lambda_c(2625)^+$ Charmed Baryon and the Branching Ratios of $\Lambda_c(2625)^+ \rightarrow \Sigma^0 \pi^+$ and $\Lambda_c(2625)^+ \rightarrow \Sigma_c^{++} \pi^-$

Dissertation Chair: J. M. Yelton

Haibo Wang

Major: *Computer Science*

Dissertation: Real-time Processing of High-Speed Data Streams with Probabilistic and Randomized Data Structures and Algorithms

Dissertation Chair: S. Chen

Luwei Wang

Major: *Design, Construction and Planning*

Dissertation: Public Parks as Infrastructure in a Rapidly Urbanizing Region: A Case Study in Central Florida, U.S.A

Dissertation Chair: T. M. Murtha

Xiang Wang

Major: *Business Administration—Marketing*

Dissertation: The Internal and External Sources of Consumer Decision Uncertainty

Dissertation Chair: C. A. Janiszewski

Zhuolun Wang

Major: *Botany*

Dissertation: Quantitative Gene *TPR2* Regulates Seed Size in *Arabidopsis*

Dissertation Chair: B. A. Hauser

Paul Carl Wassel III

Major: *Genetics and Genomics*

Dissertation: Rhodanese Domain Proteins, Persulfides and Their Role with Ubiquitin-Like Proteins in Sulfur Mobilization and Protein Conjugation in Archaea

Dissertation Chair: J. A. Maupin

Michael W. Webb

Major: *Political Science*

Dissertation: Populism in Context: How Local Conditions Change Support for Populist Actors

Dissertation Chair: A. D. Kreppel

Kendall Nicole Weeks

Major: *Chemistry*

Dissertation: Copper-Catalyzed Alkynylation of Iminiums via Lewis Acid Activation

Dissertation Chair: A. Aponick

Thomas Alan Weingartner Jr.

Major: *Electrical and Computer Engineering*

Dissertation: Novel Approach to TCAD Strain Simulation

Dissertation Chair: M. E. Law

Mihoko Maeda Wheeler

Major: *Linguistics*

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

Dissertation Chair: R. Wayland

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

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

Jiayi Xu

Major: *Curriculum and Instruction*

Dissertation: Exploring Chinese Background Adolescents' Views on Their Identity during the COVID-19 Pandemic

Dissertation Chair: M. R. Coady

Weihuang Xu

Major: *Electrical and Computer Engineering*

Dissertation: Deep Morphological Neural Network and Its Application in Image Classification and Segmentation Problems

Dissertation Chair: A. Z. Glenn

Yiming Xu

Major: *Civil Engineering*

Dissertation: AI-Enabled Travel Demand Forecasting for Shared Mobility

Dissertation Chair: X. Zhao

Tapesh Yadav

Major: *Mathematics*

Dissertation: Structured Random Matrices

Dissertation Chair: J. E. Pascoe

Xin Yan

Major: *Chemistry*

Dissertation: Chemical Synthesis of Functionalized Glycolipids with Labeling Molecules as Useful Probes for Biological Studies

Dissertation Chair: Z. Guo

Boya Yang

Major: *Mathematics*

Dissertation: *Mathematical Modeling of Thyroid Disorders and Diabetes*

Dissertation Chair: L. Rong

Yang Yang

Major: *Physics*

Dissertation: *Compact Binary Mergers in Active Galactic Nuclei*

Dissertation Chair: I. Bartos

Maher Yazback

Major: *Physics*

Dissertation: *Computational Study of Magnetoelectric Effects in Quantum Molecular Magnets*

Dissertation Chair: H. P. Cheng

Jacqlyn Lillie Yourell Murphy

Major: *Youth Development and Family Sciences*

Dissertation: *Measure Development for Parent-Adolescent Weight-Conversations*

Dissertation Chair: J. L. Doty

Allen Juan Zegarra Acevedo

Major: *Romance Languages—Spanish*

Dissertation: *La rentabilidad de la esclavitud en las Américas del siglo XIX analizada a través de la literatura y el cine*

Dissertation Chair: M. E. Sorbille

Hanyu Zhang

Major: *Civil Engineering*

Dissertation: *Connected and Autonomous Vehicle Platooning Technology: Cooperative Lane-Change, Intersection-Passing, and Platoon-Formation Strategy*

Dissertation Chair: L. Du

Huibin Zhang

Major: *Research and Evaluation Methodology*

Dissertation: *A Comparison of Propensity Score Methods for Semi-Continuous Treatment*

Dissertation Chair: W. L. Leite

Dissertation Co-chair: W. Li

Runzhi Zhang

Major: *Biostatistics*

Dissertation: *Identifying Key Biomarkers for Predicting and Classifying Patient Phenotypes with Multi-Omics Data*

Dissertation Chair: S. Datta

Qunshan Zheng

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: *Characterizing Preschool Teachers' Use of Practices to Promote Young Children's Self Determination Skills*

Dissertation Chair: P. Snyder

Tianyu Zhou

Major: *Civil Engineering*

Dissertation: *Embodied Robot Teleoperation in Construction*

Dissertation Chair: E. Du

Xiaoyan Zhou

Major: *Design, Construction and Planning*

Minor: *Statistics*

Dissertation: *A Deep Reinforcement Learning Neural Network Approach to Online Optimization of Construction Manufacturing Processes*

Dissertation Chair: I. Flood

Xiaohan Zhu

Major: *Industrial and Systems Engineering*

Dissertation: Robust Control Under Distributional Uncertainty and Its Applications

Dissertation Chair: X. Sun

Adrian Israel Zuniga Pinto

Major: *Plant Pathology*

Dissertation: Management of *Neopestalotiopsis* Sp. and Fungicide Resistance of *Botrytis cinerea* on Strawberry

Dissertation Chair: N. A. Peres Lauretti

DOCTOR OF EDUCATION

Jarrett Gregory Carter

Major: *Curriculum and Instruction*

Dissertation: Persistence of Black Women in Online Doctoral Programs

Dissertation Chair: S. Kumar

Gemma Fleming

Major: *Curriculum and Instruction*

Dissertation: "Just Give Them a 50%": Teachers' Beliefs on Differentiating Reading Comprehension Assessments for English Language Learners

Dissertation Chair: M. R. Coady

Allison Leigh Forrest

Major: *Higher Education Administration*

Dissertation: Football Student-Athletes' Engagement in Career Readiness Activities

Dissertation Chair: C. Haynes

Alex R. Hodges

Major: *Curriculum and Instruction*

Dissertation: Harvard Librarians' Information Literacy and Digital Scholarship Instruction

Dissertation Chair: S. Kumar

Andrea LeeAnn McCaffree-Wallace

Major: *Curriculum and Instruction*

Dissertation: Crossing Lines: A Teacher Inquiry Examining Teaching Controversial Content in an Online First Year Composition Course at a Community College

Dissertation Chair: G. R. Jeter

Jessica Irene Miller

Major: *Educational Leadership*

Dissertation: Assistant Principals' Roles and Strategies for Improving Middle and High School ELL Programs in Northeastern Texas

Dissertation Chair: F. C. Curran

Robin Suzanne Roddey Slaughter

Major: *Special Education*

Dissertation: Special Education Teachers' Perceptions of Their Participation in a Professional Development Program about Reading Instruction for Students with Intellectual Disabilities

Dissertation Chair: C. C. Griffin

Lindsay Rae Young

Major: *Special Education*

Dissertation: Addressing Word Recognition in Adolescents: Using an Improvement Science Approach to Prepare Teachers

Dissertation Chair: L. J. Lombardino

Dissertation Co-chair: L. A. Chapman

DOCTOR OF AUDIOLOGY

Kayla Marie Borges
Daniella T. Fragnito
Allison O'Leary Layne

Tammy Le
Kelli Meyers

Bailey Jeanette Oliver
Elisabeth Joy Rymer
Nathan Bradley Strom

DOCTOR OF MUSICAL ARTS

Aaron Keith Campbell
Jean Pierre Castillo

Daemyung Hyun
Mattia L. Imponenti
Michael Joseph Papa

Marcus Josuan Rhodes
Nieves Villaseñor III

DOCTOR OF PLANT MEDICINE

Zachary Davis Eldred

Julia Rycyna

PROFESSIONAL DEGREES

THE WARRINGTON COLLEGE OF BUSINESS THE HOUGH GRADUATE SCHOOL OF BUSINESS

Dean Sabyasachi Mitra

DOCTOR OF BUSINESS ADMINISTRATION

Sachin C. Jaitly

Vincent Charles Montanti
Jason Bennett Olmanson

Stoyanka Petrova

THE COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Dean Michael Reid

DOCTOR OF ATHLETIC TRAINING

Bryce Gimmarro
Virginia Elizabeth Jackson
Kayla Marie Kieffer

Molly Jean O'Boyle
Kayla Dawn O'Connell
Jacob Riley Proffer

Meghan Rose Pugh
Jessica San Felippo
Madison Lee Whitney

THE COLLEGE OF NURSING

Dean Anna M. McDaniel

DOCTOR OF NURSING PRACTICE

Sara Adrados
Jennifer Marie Agosto
Jennifer Leigh Armijo
Ashley Pryanta Badal
Hannah Ruth Barber
Ashley Kalbac Barrios
Shannon Kelly Beardsley
Tonya Michelle Bellamy
Kassidy Marie Boliek
Stephen James Boling
Katherine Boyd
Bryn Brinker
Haydee A. Brito
Taylor Marie Catrett
Uchenna Maurice Chude
Danielle Colosimo
Kailey Coventry
Meredith Cronenwett
Leonardo Barreto Pereira Da Silva
Akia Danielle Davis
Melissa Sue Formella
Mary French
Raphaela Frias

Devan Fridley
Kimberly M. Gallo
Hana Griffin
Janet M. Guelfi
Julian Francisco Haerle
Lauren Nicole Hahn
Amanda Peebles Hall
Andrea Renea Hefner
Deborah Hoisington
Annabeth Huff
Latoya Nicole Jackson
Jessica Meneses Jones
Angella Yamileh Joseph
Allison A. Kalmon
Mary Sloan Kindred
Karen Rene Mastro
Amanda Lum
Rachel Leah Marscher
Reena Angela Martinez
Alison Megan Mastro
McKinze McAlister
Jessica Milhomme
Marie Michelle Moreau
Georgina Maldonado Orozco

Grace Alexandra Turner Pearce
Paige Elizabeth Perales
Lakshmidivi Persaud
Silvio Planas Gonzalez
Savannah Maree Ratay
Morgan Emily Rhone
Avri Richards
Roger Ismael Rivera
Kaylie Roberts
Christan Danielle Santos
Cheyenne Sierra Schenk
S. Kyle Shirah
Felix Alexander Soleh
Amber Starling
Bernadine Ann Tippit
Jeremy M. Titus
Jennifer Elaine Tribue
Corey S. West
Shevan Shenier Wilks
Brittany Leigh Wilson
Michael Caysido Winning
Rhonda Yousef
Jennifer Tecla-Cirrieco Zaccaria

THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

Dean Beth A. Virnig

DOCTOR OF OCCUPATIONAL THERAPY

Paul M. Dungca

DOCTOR OF PHYSICAL THERAPY

Ryan M. Adams
Marla Elizabeth Atkinson
Alison Austin
Jarrett Andrew Beaver
Emily Anne Bell
Jackie Brittain Blankenship III
Josie Erin Boike
Daphne E. Bricker
Alyssa Taylor Brooks
Joshua Aaron Cabrera
Lauren Nicole Chambers
Morgan Reece Coffey
Miles Jeremiah Cooper
Andrew Michael Cyburt
Andrew Bryson Dashiell
Alexis Michael Ramsey DeVuyst
Joshua Daniel Dickens
Hannah Alyssa Dickerson
Anthony Jack DiVeta
Alexandra Joan Duggan
Bailey Alexandra Feder
Ariana Nicole Frank
Evelin Garcia
Jennifer Garcia
Darshan Kaushik Ghayal

Maria Isabella Gomez
Javier Gonzalez
Latoya Fay Griffin
Edward Ryan Harries
Christian Hailye Hatton
Carley Marie Havard
Gabrielle Ann Hebert
Emily E. Hendry
Alaina Morgan Hipke
Andy Ho
Megan M. Hultgren
Andy Huynh
Irina Ioana Iacob
Faith Hall Johnston
Emily Ann Jones
Emily E. Jones
Emma Catherine Kirkland
Colleen Maddy Lance
Brittany Noel Law
Vicki Hsieh Li
Rachael Emily Lyberg
Alexis Paige Mace
Kianna Dianne Magner-Meyer
Valentina Martinez

Shane Thomas Mathew
John Francis Mella
Timothy Francis Meyers
Chloe Erna Millich
Rebecca Anna Mlynarczyk
Kristen Janel Mondik
Katelin Johana Nelson
Michelle Q. Nguyen
Simone M. Norman
Kylie Jillian Peate
Sarah Elizabeth Perkins
Christina Zhenlan Richards
Carly Hannah Rosner
Albert Louie Salazar
Matthew J. Shapiro
Timothy D. Sieng
Andrew Joseph Somogyi
Lauren Struble
Erin Estelle Stutts
Raquel Moreira Teixeira
Hannah Elise Tilley
Rachael Loren Vaccaro
Bryson McKinley Williams
Jacob Winkelman
Keaton Hamilton Yaw





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.



2023 SPRING
COMMENCEMENT



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 July 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 blue violet; 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