

Commencement

UF | UNIVERSITY *of*
FLORIDA

Commencement
SUMMER 2022



Greetings from the President

On behalf of the University of Florida, our faculty and our entire university community, I would like to extend my deepest congratulations to you, the Doctoral Graduates of the historic year of 2022.

Today's ceremony celebrates your remarkable accomplishment in earning a doctoral degree from a Top 5 public research university. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings — and for bringing these efforts to completion while overcoming the hardships of a historic pandemic. I join you in thanking your faculty advisors, mentors and the family and friends who have supported you in your journey to reach this day.

Today is a day for celebration, and also for reflection of your future. Whether you choose to pursue a career in academe, the private sector, government or the nonprofit world, I am confident that the research, analysis skills and resilience you honed as a doctoral student will serve you well. The complexity and global nature of today's professional opportunities demand nothing less.

The university has benefited from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. You are a special class, and though we know your experience has been different, we hope that you will look back on it with fondness and appreciation, and that you will remain connected to UF as active members of our distinguished alumni.

Best wishes, and Go Gators!



W. Kent Fuchs



University of Florida President

Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12th President of the University of Florida in January 2015. Building on many years of excellence and focused leadership, the university has since reached its goal of joining the nation's Top 5 public research universities.

UF continues to advance through the addition of 600 new faculty positions, the construction of advanced and beautiful university facilities, a university wide artificial intelligence initiative and a fundraising campaign that is expected to exceed \$4 billion by the end of 2022, more than a billion dollars over its original goal.

Previous to the UF presidency, Dr. Fuchs was provost of Cornell University. He has served in academic leadership positions and as a faculty member of electrical and computer engineering at Cornell, Purdue and the University of Illinois.

He is a fellow of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the Institution of Electrical and Electronics Engineers and the Association for Computing Machinery and has received numerous awards for teaching and research.

President Fuchs earned his doctorate in electrical and computer engineering from the University of Illinois, and a Master of Divinity from Trinity Evangelical Divinity School. He also holds a Bachelor of Science in Engineering from Duke University.

UF

2022 SUMMER
COMMENCEMENT

University of Florida Leadership

State Board of Education

Manny Diaz, Jr.

Commissioner of Education

Tom Grady

Chair

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Vice Chair

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Esther Byrd

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Joe York

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Patricia Frost

Nimna Gabadage

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Ken Jones

Darlene L. Jordan

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Craig Mateer

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Kent Stermon

University of Florida Board of Trustees

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Chair

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James W. “Bill” Heavener

Lauren LeMasters

Daniel T. O’Keefe

Rahul Patel

Amanda Phalin

Marsha D. Powers

Fred S. Ridley

Anita G. Zucker

President and Vice Presidents of the University

Kent Fuchs, Ph.D.

President

Joseph Glover, Ph.D.

Provost and Senior Vice President - Academic Affairs

J. Scott Angle, Ph.D.

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Chris Cowen, M.B.A.

Senior Vice President and Chief Financial Officer

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David R. Nelson, M.D.

Senior Vice President - Health Affairs

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Interim Vice President - Human Resources

Elias G. Eldayrie, M.B.A.

Vice President and Chief Information Officer - Information Technology

Amy M. Hass, J.D.

Vice President - General Counsel

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Vice President - Government and Community Relations

Marsha McGriff, Ed.D.

Chief Diversity Officer and Senior Advisor to the President

Thomas J. Mitchell, M.S.

Vice President - Advancement

D’Andra Mull, Ph.D.

Vice President - Student Life

David Norton, Ph.D.

Vice President - Research

Steve Orlando, M.A.

Interim Vice President - Strategic Communications and Marketing

Mary G. Parker, Ed.D.

Associate Provost and Vice President - Enrollment Management

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

Vice President - Business Affairs

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

Cammy R. Abernathy, Ph.D.

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

Laura A. Rosenbury, J.D.

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

Julie A. Johnson, Pharm.D.

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

Heather White, Ph.D.

Dean of Students

COMMENCEMENT AGENDA - FRIDAY, AUGUST 5, 2:00 P.M.

Presiding	Kent Fuchs <i>President</i>
Processional	UF Commencement Band
National Anthem	Anthony Offerle, <i>Vocalist</i> UF Commencement Band
Welcome	Kent Fuchs
Introductions	Kent Fuchs
Commencement Address	Adebola Adesogan <i>Professor and Director of the Food Systems Institute and the Feed the Future Innovation Lab for Livestock Systems</i>
Presenting and Conferring of Degrees	Kent Fuchs
Recognition of Graduates	
Closing Remarks	Kent Fuchs
Alma Mater	Anthony Offerle UF Commencement Band
Recessional and Postlude	UF Commencement Band

Commencement Speaker

Adegbola Adesogan

Professor and Director of the Food Systems Institute and the Feed the Future Innovation Lab for Livestock Systems

Dr. Adesogan is a professor of animal nutrition and director of the University of Florida Food Systems Institute. His Bachelor of Science degree is from University of Ibadan, Nigeria, and his master's and doctorate are from the University of Reading in the United Kingdom. He is the principal investigator and director of the Feed the Future Innovation Lab for Livestock Systems at the University of Florida, which manages more than 60 research-for-development projects that use animal-source foods to improve nutrition, health and incomes in nine African and Asian countries. He has received more than \$70 million in grant funding, published more than 160 journal papers and book chapters, and given more than 100 invited seminars. In addition, he has mentored more than 50 graduate students and visiting professors, and received several awards. His research areas include using animal-source foods to improve human nutrition, health, incomes, and livelihoods and evaluating strategies to sustainably improve animal performance and health.



GRADUATE SCHOOL

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

DOCTOR OF PHILOSOPHY

Hadi Abdullah

Major: *Computer Science*

Dissertation: Explaining, Exploiting, and Defending: Adversarial Machine Learning and Voice Processing Systems

Dissertation Chair: P. Traynor

Dissertation Co-chair: V. C. Bindschaedler

Khalid Yahya Abolkhair

Major: *Design, Construction and Planning*

Dissertation: Cost Certainty and Timing of Cost Certainty in Public Construction Projects

Dissertation Chair: B. W. Franz

Jesse Victor Adamski

Major: *Mathematics*

Dissertation: A Metapopulation Framework for Integrating Infectious Disease and Economic Systems

Dissertation Chair: C. Ngonghala

Alafate Adili

Major: *Chemistry*

Dissertation: Catalytic Enantioselective Pictet-Spengler Type Reactions and Alkynylation of Alicyclic Amines

Dissertation Chair: D. Seidel

Cynthia Ann Adkins

Major: *Materials Science and Engineering*

Dissertation: Effective Thermal Conductivity of Irradiated Uranium-Zirconium Alloy

Dissertation Chair: Y. Yang

Changhyun Ahn

Major: *Business Administration—Finance*

Dissertation: Essays in Political Economy and Corporate Finance

Dissertation Chair: J. F. Houston

Jin Woo Ahn

Major: *Health and Human Performance*

Dissertation: The Role of Sensitization and Habituation in Sport Spectatorship: A Case of Sport Augmented Reality Broadcasting

Dissertation Chair: Y. J. Ko

Angelica Patricia Ahrens

Major: *Microbiology and Cell Science*

Dissertation: Bacteria of the Oral Cavity and Digestive Tract Are Implicated in Suicidality, Depression, and Neurodevelopmental Disorders

Dissertation Chair: E. Triplett

Ahmed Mubarak ‘Abdallah Al Mata’ni

Major: *Curriculum and Instruction*

Dissertation: Critical Narrative Study: Illuminating Western Epistemologies in the Lives of Omani West-Educated TEFL Teacher Educators via Decolonial Turn

Dissertation Chair: M. R. Coady

Osama S. Albishri

Major: *Mass Communication*

Dissertation: Did Their Words Matter? A Study of 40 Years of the U.S.-Iran Relationship in the Context of U.S. Elections

Dissertation Chair: S. K. Kiouisis

Majid Suliman Alhomidan

Major: *Linguistics*

Dissertation: Loanword Adaptation in Najdi Arabic

Dissertation Chair: C. R. Wiltshire

Nader Aljohani

Major: *Electrical and Computer Engineering*

Dissertation: Smart Grids: Algorithms for Enhanced Grid Efficiency and Reliability

Dissertation Chair: A. Bretas

Julián Camilo Alonso Restrepo

Major: *Health and Human Performance*

Dissertation: Exploring Cultural Responsiveness: Experiences of Staff in a United States Sport-Based Youth Development Program

Dissertation Chair: C. Wegner

Mehrdad Alvandipour

Major: *Mathematics*

Dissertation: Inexact Learnable Descent Algorithms for Image Reconstruction

Dissertation Chair: Y. Chen

Felipe Alves Correa Carvalho da Silva

Major: *Animal Sciences*

Dissertation: Modulation of Uterine Function in Beef Cattle

Dissertation Chair: M. Binelli

Thiago Fernandes Amaral

Major: *Animal Molecular and Cellular Biology*

Dissertation: Actions of Dickkopf WNT Signaling Pathway Inhibitor 1 on the Bovine Embryo—A Journey from the Culture Dish to Pasture

Dissertation Chair: P. J. Hansen

Elham Amini

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Advancing Bioequivalence Assessments of Orally Inhaled and Nasal Drug Products (OINDPs) *via in Vitro, in Vivo, and in Silico* Approaches

Dissertation Chair: G. Hochhaus

Dissertation Co-chair: J. B. Bulitta

Sarah Amir

Major: *Electrical and Computer Engineering*

Dissertation: Development, Analysis and Application of Circuit Benchmarks in Hardware Security

Dissertation Chair: D. J. Forte

Brianna M. Anderson

Major: *English*

Dissertation: Greening the Gutters: Visualizing Environmental Disaster and Youth Eco Activism in Children's Comics

Dissertation Chair: K. B. Kidd

Joshua Donel Anderson

Major: *Horticultural Sciences*

Minor: *Plant Pathology*

Dissertation: Developing Modern Breeding and Research for High Value Tropical Vines

Dissertation Chair: A. H. Chambers

Nicolas Anger

Major: *Forest Resources and Conservation*

Dissertation: Characterization of the Emergence of Tree Pathogens in Two Diverse Ecosystems: The Cases of *Araucaria humboldtensis*, Endemic From New Caledonia and the Betulaceae Rust in Southeastern United States

Dissertation Chair: J. A. Smith

Athmane Antara

Major: *Linguistics*

Dissertation: Salafists' Discourse in Morocco

Dissertation Chair: F. McLaughlin

Leigh Frances Archer

Major: *Horticultural Sciences*

Dissertation: Trunk Injection for Delivery of HLB Therapeutics to Citrus Trees: Efficacy, Effects on Tree Physiology, and Risks

Dissertation Chair: U. Albrecht

Tracy Argueta

Major: *Psychology*

Dissertation: Establishing and Evaluating Tokens as Conditioned Reinforcers

Dissertation Chair: I. G. DeLeon

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 Gomez Garcia

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

Jasmaine Efe Ataga

Major: *Counseling and Counselor Education*

Dissertation: Poetic Lens of Trauma Counseling: A Workshop Exploration into Narrative Expressive Poetry Interventions for BIPOC Counselors-In-Training

Dissertation Chair: A. Puig

Christina Concetta Aulino

Major: *Curriculum and Instruction*

Dissertation: "I Don't Come Out and Say 'Racism'": White Economics Teachers' Instruction on Race in a Colorblind Curriculum

Dissertation Chair: E. A. Washington

Dissertation Co-chair: C. L. Busey

Janelle K. Bacotti

Major: *Psychology*

Dissertation: Evaluations of Speech-Generating Device Use for Children with Autism

Dissertation Chair: T. R. Vollmer

Xueyin Bai

Major: *Design, Construction and Planning*

Minor: *Statistics*

Dissertation: Older Adults' Discretionary Activities, Travel, and Self Reported Well-being: Exploring Their Relationship with Multiscale Built Environment

Dissertation Chair: R. L. Steiner

Dissertation Co-chair: I. Bejleri

Sara Marshall Baker

Major: *Food Science*

Dissertation: Identification and Application of Florida Halophytes and Seaweeds as Salt Enhancers

Dissertation Chair: C. A. Sims

Rojan Baniya

Major: *Health and Human Performance*

Dissertation: Motivational Factors and Constraints for Vacationers to Select Sustainable Options during Vacation Planning

Dissertation Chair: S. O. Stepchenkova

Terry E. Barbour II

Major: *Anthropology*

Dissertation: The View Source Side Shell Bead Production along Florida's Gulf Coast

Dissertation Chair: K. E. Sassaman Jr.

Mahesh Bashyal

Major: *Agronomy*

Dissertation: *Brassica carinata* Nitrogen Management and Cycling in Southeastern United States Cropping Systems

Dissertation Chair: P. Devkota

Dissertation Co-chair: M. J. Mulvaney

Jordan T. Bateman

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: Opioid Suppression of an Excitatory Pontomedullary Respiratory Circuit by Convergent Mechanisms

Dissertation Chair: E. Levitt

Brittany Taylor Perry Batton

Major: *Special Education*

Dissertation: An Evaluation of Telehealth Behavior Skills Training in Behavior Analytic Practices for Caregivers of Young Children with Autism Spectrum Disorders

Dissertation Chair: N. A. Gage

Dissertation Co-chair: C. T. Schmidt

Samantha Paige Baugus

Major: *English*

Dissertation: When the Animal Talks Back: Deprioritizing Language as a Measure of Human and Nonhuman Subjectivity in Contemporary Speculative Texts

Dissertation Chair: T. A. Harpold

Hailey E. Beal

Major: *Chemistry*

Dissertation: Microbial Azasugar Biosynthesis: A Bioinformatic and Biochemical Approach

Dissertation Chair: N. A. Horenstein

Erin C. Berthold

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Pharmacokinetics and Interaction Potential of Mitragynine and Cannabidiol

Dissertation Chair: A. Sharma

Dissertation Co-chair: C. R. McCurdy

Richard Timothy Bex II

Major: *Curriculum and Instruction*

Dissertation: Personas for Community Science in a Digital Niche for Paleontology

Dissertation Chair: K. J. Crippen

Aftab A. Bhanvadia

Major: *Electrical and Computer Engineering*

Dissertation: Development of Additive Microfabrication Processes Using Stereolithography for Functional Devices

Dissertation Chair: T. Nishida

Wanyu Bian

Major: *Mathematics*

Dissertation: Optimization-Based Deep Learning Methods for Magnetic Resonance Imaging Reconstruction and Synthesis

Dissertation Chair: Y. Chen

John Kevin Bird

Major: *History*

Dissertation: From the Field to the Shop Floor: The Black Freedom Struggle and Its Challengers in McComb, Mississippi

Dissertation Chair: P. A. Ortiz

Jyothi Swaroop Bommidi

Major: *Agricultural Education and Communication*

Dissertation: Understanding Capacities of Community Resilience

Dissertation Chair: S. Galindo

John Scott Borsum

Major: *Interdisciplinary Ecology*

Dissertation: The Development of Oyster Resource Production and Governance: A Harbinger for Seafood Production Systems

Dissertation Chair: E. V. Camp

Delaney Boss

Major: *School Psychology*

Dissertation: The Influence of Gender on the Effectiveness of the Social Emotional Learning Foundations Curriculum for Kindergartners and First Graders At-Risk for an Emotional or Behavioral Disorder

Dissertation Chair: T. M. Smith-Bonahue

Maeve Ryan Boylan

Major: *Psychology*

Dissertation: Examining the Neurophysiology of Attention to Salient Features through Multimodal Imaging

Dissertation Chair: A. Keil

David A. Brumley

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Synthesis of Anaenamides A-D and Strategic Analogues to Probe the Structure-Activity Relationship of a New Class of Natural Products from Marine Cyanobacteria

Dissertation Chair: H. Luesch

Vivekananda Budamagunta

Major: *Genetics and Genomics*

Dissertation: The Uncharted Avenues of Cellular Senescence

Dissertation Chair: T. C. Foster

Dissertation Co-chair: D. Zhou

Kory Durell Burns

Major: *Materials Science and Engineering*

Dissertation: Modulating the Response of Low-Dimensional Molybdenum Disulfide in Extreme Environments

Dissertation Chair: A. Aitkaliyeva

Andréa Cabral Leal Ferreira

Major: *History*

Dissertation: The Making of a Brazilianist: Gilberto Freyre's Formative Years in the United States

Dissertation Chair: J. D. Needell

Ozlem Calbay

Major: *Medical Sciences—Cancer Biology*

Dissertation: Molecular Mechanisms Underlying DHA Induced Cell Death in Ovarian Cancer

Dissertation Chair: S. Huang

Chandler S. Callaway

Major: *Medical Sciences—Cancer Biology*

Dissertation: The Role of IL8 and CXCL1 in Muscle Atrophy during Pancreatic Cancer Cachexia

Dissertation Chair: A. R. Judge

Thai Son Cao

Major: *Chemistry*

Minor: *Biomedical Engineering*

Dissertation: Heterobimetallic Manganese-Cerium and Manganese-Titanium Oxo Clusters

Dissertation Chair: G. Christou

Netty Elizabeth Anne Carey

Major: *Anthropology*

Dissertation: Lines in the Sand: Precarious Property on Ghana's Eroding Coast

Dissertation Chair: B. H. Chalfin

Alexander Nicholas Carr

Major: *Aerospace Engineering*

Dissertation: Sonic Boom Propagation in the Turbulent Atmospheric Boundary Layer

Dissertation Chair: S. A. Miller

Kelly Ann Carruthers

Major: *Entomology and Nematology*

Dissertation: Assessing Impact and Optimizing Management Strategies Using the Biological Control Agent, *Pseudophilothrips ichini*, on Brazilian Peppertree, *Schinus terebinthifolia*

Dissertation Chair: C. R. Minter-Killian

Evelyn Johanna Castillo

Major: *Veterinary Medical Sciences*

Dissertation: Medication-Related Osteonecrosis of the Jaw (MRONJ): Pathophysiology, Prevention and Treatment Using Preclinical Approaches

Dissertation Chair: J. I. Aguirre

Nilanjana Chakraborty

Major: *Statistics*

Dissertation: A Bayesian Framework for Estimation of High Dimensional Mixed Frequency Vector Autoregressive Models

Dissertation Chair: K. Khare

Dissertation Co-chair: G. Michailidis

Prabuddha Chakraborty

Major: *Electrical and Computer Engineering*

Dissertation: An Artificial Intelligence Guided Design Paradigm for Secure and Efficient Edge Devices

Dissertation Chair: S. Bhunia

Spencer M. Chalifour

Major: *English*

Dissertation: Vision of Vertigo: Karen Berger and the Making of Vertigo Comics

Dissertation Chair: T. A. Harpold

Kiara Marie Gha-Ying Chan

Major: *Biomedical Engineering*

Dissertation: Quantifying Movement Patterns in Preclinical OA Models

Dissertation Chair: K. Allen

Manyun Chen

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Genomics-Guided Discovery and Characterization of Natural Biosynthetic Machineries: A Study Focused on Novel Anti-UV Agents

Dissertation Chair: Y. Ding

Ruoyu Chen

Major: *Civil Engineering*

Dissertation: SH- and Love-Waves Full-Waveform Inversion: Methodology and Multiscale Applications

Dissertation Chair: K. T. Tran

Jianhui Cheng

Major: *Mechanical Engineering*

Dissertation: The Application of Instability Wave Theory on Acoustic Radiation within Off-Design Supersonic Jets and on Two-Point Statistics within High-Speed Flow over Sharp and Blunt Cones with Plasma Actuation

Dissertation Chair: S. A. Miller

Sai Prabhakar Rao Chenna

Major: *Electrical and Computer Engineering*

Dissertation: Scalable Performance Modeling and Prediction of Multi-Phase Particle-In-Cell Algorithms on Large-Scale Systems

Dissertation Chair: H. Lam

Shweta Satish Chhajed

Major: *Botany*

Dissertation: Glucosinolate-Myrosinase System in Plant Single-Cell Type Defense against Bacterial Pathogens

Dissertation Chair: S. Chen

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

EunKyung Choi

Major: *Microbiology and Cell Science*

Dissertation: Physiological Characterization of Nitrogen Metabolism in Ammonia-Oxidizing Bacteria and Archaea

Dissertation Chair: W. A. Martens-Habbena

Pawel Chojecki

Major: *Electrical and Computer Engineering*

Dissertation: Ferroelectric Capacitors: End-of-Life Compact Modeling with Performance and Reliability Emphasis

Dissertation Chair: T. Nishida

Muhtadi Qayed Choudhury

Major: *Electrical and Computer Engineering*

Dissertation: Co-optimisation State Encoding and Finite State Machine Architecture To Meet Fault Injection

Dissertation Chair: D. J. Forte

David W. Christianson

Major: *Materials Science and Engineering*

Dissertation: Design of Magnesium Based Alloys

Dissertation Chair: M. V. Manuel

Nicholas J. Cicone

Major: *Business Administration—Accounting*

Dissertation: The Role of Interim Reviews in Improving Financial Reporting Quality

Dissertation Chair: W. R. Knechel

Moritz Wolfgang Peter Cleve

Major: *Mass Communication*

Dissertation: Immigrants Inspire (or Disgust) Me: How Social Media Comments Affect Stereotype Content Perceptions, Emotional Responses, and Policy Support towards Immigrants

Dissertation Chair: T. F. Waddell

Ezra F. Cockram

Major: *Nuclear Engineering Sciences*

Dissertation: Laser Ablation Plasmas as Surrogates of Early Nuclear Fireball Vapor Chemistry

Dissertation Chair: A. P. Enqvist

Megan Dance Cogburn

Major: *Anthropology*

Dissertation: Forging Care in Times of Risk: Negotiating Pregnancy and Birth in Rural Tanzania

Dissertation Chair: M. T. Østebø

Dissertation Co-chair: A. E. Strong

Ayanni Christé Hanna Cooper

Major: *English*

Dissertation: We Live in a Time of [Sexy] Monsters: Exploring Erotic Monstrosity in Contemporary Visual Media

Dissertation Chair: A. M. Ulanowicz

Nathalie Joycelin Correa

Major: *Medical Sciences—Medical Physics*

Dissertation: Direct Dose Measurements in Two Computed Tomography Scanners Comparing Single Energy and Dual Energy Scans

Dissertation Chair: M. M. Arreola

Dissertation Co-chair: I. L. Barreto

Camilo Miguel Correa Alfonso

Major: *Medical Sciences—Medical Physics*

Dissertation: Development of Internal Vasculature in Organs of Mesh-Type Computational Human Phantoms for Dose Assessment in External Beam Radiation Therapy and Internal Dosimetry

Dissertation Chair: W. E. Bolch

Brianna Marie Costales

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Utilization and Safety of Pharmacological Treatments for Early-Onset Idiopathic Restless Legs Syndrome

Dissertation Chair: A. J. Goodin

Lauren Burrell Cox

Major: *English*

Dissertation: Reactivating the Film Archive

Dissertation Chair: B. C. Menzel

Victoria G. Crawford

Major: *Computer Engineering*

Dissertation: Efficient Algorithms for Problems in Submodular Optimization

Dissertation Chair: M. Sitharam

Morgan L. Crowley

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Synthesis and Pharmacological Evaluation of Compounds Inspired by Indole Alkaloids Isolated from *Mitragyna speciosa* for Opioid Use Disorder

Dissertation Chair: C. R. McCurdy

Dissertation Co-chair: L. McMahon Jr.

Wesley Cuadrado-Castillo

Major: *Materials Science and Engineering*

Dissertation: Dynamic Strain Aging, Static Recrystallization, and Texture Evolution of Dilute Magnesium-Calcium and Magnesium-Calcium-Zinc Alloys

Dissertation Chair: M. V. Manuel

Tristan R. Czarnecki-Verner

Major: *Linguistics*

Dissertation: Neural Entrainment to Alpha and Theta Band Amplitude Modulation in Polish Long Consonant Sequences: A Priming Study

Dissertation Chair: P. R. Golombek

Gaurav Dahiya

Major: *Chemistry*

Dissertation: Systematic Tuning of Atropisomeric Stack-Ligands and Their Applications in Enantioselective Catalysis

Dissertation Chair: A. Aponick

Justine Dallal-York

Major: *Rehabilitation Science*

Dissertation: Aerodigestive Tract Dysfunction in Lung Transplant Recipients: Swallow, Cough and Breathing Profiles during the Acute Recovery Phase

Dissertation Chair: E. K. Plowman

Jaxenne L. Daniels

Major: *Psychology*

Dissertation: Read, Laugh, Learn: Investigating the Effects of Humor in Storybooks on Parent-Child Shared Book Reading

Dissertation Chair: L. Scott

Brendan M. David-John

Major: *Computer Science*

Dissertation: Providing Privacy for Eye-Tracking Data with Applications in XR

Dissertation Chair: E. Jain

Alberto De Simoni

Major: *Classical Studies*

Dissertation: Power to Punish and Authority to Forgive: Imperial State and Imprisonment in 4th Century AD Antioch

Dissertation Chair: A. G. Nichols

Liselotte de Wit

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Procedural Learning, Its Neural Correlates, and Its Implications for Compensatory Training in Individuals with Amnesic Mild Cognitive Impairment and Mild Dementia Due to Alzheimer's Disease

Dissertation Chair: G. E. Smith

Agencia Delouche

Major: *School Psychology*

Dissertation: *Lekol Se Lakay?* Exploring School Belonging and Ethnoracial Identity Development of Haitian Immigrant Students

Dissertation Chair: T. M. Smith-Bonahue

Lin Deng

Major: *Curriculum and Instruction*

Dissertation: Your Stories Matter: Fostering Critical Literacy in a Middle School ELA Classroom

Dissertation Chair: D. Fu

Renata Montserrat Diaz

Major: *Interdisciplinary Ecology*

Dissertation: Of Rodents and Randomness: Macroecological Approaches to Community Structure

Dissertation Chair: S. K. M. Ernest

Ke Ding

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Assessing the Impact of Diabetic Ketoacidosis on Cognitive Functioning and Glycemia in Adolescents with Type 1 Diabetes

Dissertation Chair: D. Janicke

Dissertation Co-chair: K. A. Driscoll

Sean J. Domal

Major: *Medical Sciences—Medical Physics*

Dissertation: Fetal Dosimetry of Pregnant Females with Applications in Imaging, Radiotherapy, and Atomic Bomb Studies

Dissertation Chair: W. E. Bolch

Charles Trevor Duke

Major: *Anthropology*

Dissertation: Crafting History: Personhood and Potting Skill in the Lower Southeast

Dissertation Chair: N. J. Wallis

Melissa Dulcey

Major: *Public Health*

Dissertation: Examining How Blood Meals from Different Vertebrate Species Influence the Midgut Microbiome of the Mosquito Vector *Aedes aegypti*, and Its Susceptibility to Arboviral Infections

Dissertation Chair: A. Y. Vittor

Abraham J. Eastman

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Pilot Study of a Rural Adapted Acceptance Based Behavioral Treatment for Obesity

Dissertation Chair: K. M. Ross

Leire Echevarria Canal

Major: *Romance Languages—Spanish*

Dissertation: Complexity, Accuracy and Fluency Values among Different Learner Populations

Dissertation Chair: G. E. Lord-Ward

Dissertation Co-chair: D. Pascual Cabo

Mohannad A. Elkhider

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Real-World Performance of Sacubitril-Valsartan in the Management of Heart Failure

Dissertation Chair: V. Diaby

Kaci Rose Ellis

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: The Impact of School-Based Personnel's Implementation of Performance Feedback on Elementary Teachers' Classroom Management Skills

Dissertation Chair: N. A. Gage

Dissertation Co-chair: A. MacSuga-Gage

Nathaniel W. Ellis

Major: *Plant Molecular and Cellular Biology*

Dissertation: The Genetic and Epigenetic Regulation of Complex Traits in *Populus deltoides*

Dissertation Chair: M. Kirst

Timothy A. Elmslie

Major: *Physics*

Dissertation: Tuning Metallic Ferromagnets via Pressure and Substitution

Dissertation Chair: J. J. Hamlin

Mustafa Emin

Major: *Business Administration—Finance*

Dissertation: Institutional Investors and Private Debt

Dissertation Chair: C. James

Alayna Elizabeth Ernster

Major: *Rehabilitation Science*

Dissertation: Patterns and Predictors of Emotional Well-Being Trajectories in Patients Diagnosed with Primary Brain Tumors: A Mixed-Methods Study

Dissertation Chair: D. B. Pereira

Michael C. Espriella

Major: *Fisheries and Aquatic Sciences*

Dissertation: Using Unoccupied Aircraft Systems to Map and Monitor Intertidal Habitats along Florida's Big Bend Coastline

Dissertation Chair: V. Lecours

James J. Fahey

Major: *Political Science*

Dissertation: The American Demagogues: Causes and Consequences of Populism in American Politics

Dissertation Chair: B. A. Rosenson

Dissertation Co-chair: H. M. Alarian

Xiao Fang

Major: *Statistics*

Dissertation: Asymptotic Properties of Bayesian High-Dimensional Model

Dissertation Chair: M. Ghosh

Mohammad Farmani

Major: *Electrical and Computer Engineering*

Dissertation: Rowhammer Vulnerability Analysis in DRAM Memory

Dissertation Chair: M. M. Tehranipoor

Dissertation Co-chair: F. Rahman

Yang Feng

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: The Effect of Clonal Hematopoiesis on the Molecular Pathophysiology of Solid Tumors

Dissertation Chair: O. Guryanova

Andrea Leigh Fidler

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Inpatient Sleep among Adolescents and Young Adults: A Mixed Methods Study

Dissertation Chair: D. A. Fedele

Michelle Floro Finn

Major: *Environmental Engineering Sciences*

Dissertation: Mechanisms for the Removal of Aqueous Nitrates by Carbonaceous Material

Dissertation Chair: D. W. Mazyck

Sarah B. Fisher

Major: *Mass Communication*

Dissertation: The Line Between News and Strategic Communication

Dissertation Chair: D. H. Ostroff

Alexis Bajalia Fitzsimmons

Major: *Mass Communication*

Dissertation: Purpose and Public Relations

Dissertation Chair: M. DiStaso

Dissertation Co-chair: T. A. Kelleher

Jason M. Flynn

Major: *Mathematics*

Dissertation: The Effect of Restart on First Passage Processes

Dissertation Chair: S. S. Pilyugin

Evelyn J. Franco

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Predicting Favipiravir Effectiveness against (Re)-Emerging Viral Infections through Characterization of Drug-Host Cell, Drug Virus Interactions

Dissertation Chair: A. N. Brown

Sabrina L. Freeman

Major: *Biomedical Engineering*

Dissertation: Inducing Tolerance in Preclinical Psoriasis and the Foreign Body Reaction through Modulation of Immunometabolism

Dissertation Chair: B. G. Keselowsky

Tiffany R. Frey

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Investigating the Role of Syncytin-1 in Epstein-Barr Virus Lytic Replication and Cellular Proliferation

Dissertation Chair: M. McIntosh

Katherine Elizabeth Frye

Major: *School Psychology*

Dissertation: Exploring Population-Level Trends in Children's Social Skills Over Time Using Behavior Rating Scales

Dissertation Chair: T. M. Smith-Bonahue

Dissertation Co-chair: C. J. Anthony

Tamiko Michelle Gaines

Major: *Agricultural Education and Communication*

Dissertation: Analyzing the Relationships between UF/IFAS Extension Florida 4-H Agents' Self Efficacy, Adaptive Personality, Intrinsic Motivation, Adaptive Performance, and Performance Efficacy during the COVID-19 Pandemic

Dissertation Chair: C. E. Suarez

Marc Josep Gandarillas Cotero

Major: *Romance Languages—Spanish*

Dissertation: *Fading Voices: A Sociolinguistic and Anthropological Approach to the Majorcan Catalan of San Pedro, Argentina*

Dissertation Chair: J. E. Aaron

Andrew Ryan Garcia

Major: *Chemical Engineering*

Dissertation: *Thermodynamic and Kinetic Crystal Growth Theory for the Design of Metallic and Molecular Crystals*

Dissertation Chair: K. J. Ziegler

Dissertation Co-chair: S. Vasenkov

Christian C. Garcia

Major: *Psychology*

Dissertation: *Impact of the COVID-19 Pandemic on Older Adults' Well-Being*

Dissertation Chair: S. J. Nixon

Anurag Garg

Major: *Business Administration—Information Systems and Operations Management*

Minor: *Statistics*

Dissertation: *Three Essays on Digital Platforms*

Dissertation Chair: S. Bandyopadhyay

Dissertation Co-chair: L. Qiu

John Benjamin Garrison

Major: *Chemistry*

Dissertation: *Polymer Modification and Degradation via Single Electron Transfer Induced Decarboxylation of N-(Acyloxy) Phthalimides*

Dissertation Chair: B. S. Sumerlin

Nioud Mulugeta Gebru

Major: *Health and Human Performance*

Dissertation: *Sexual Behaviors in the Era of Pre-Exposure Prophylaxis: An Explanatory Sequential Mixed-Methods Examination*

Dissertation Chair: R. F. Leeman

Nicholas Patrick Gensmer

Major: *Counseling Psychology*

Dissertation: *Decent Work and Mental Health Outcomes for Disabled Working Adults*

Dissertation Chair: R. D. Duffy

Sanaz Gheibi

Major: *Computer Engineering*

Dissertation: *Speeding up Algorithms for Large Datasets*

Dissertation Chair: S. Ranka

Dissertation Co-chair: S. K. Sahn

Mark Gregory Gorelik

Major: *Microbiology and Cell Science*

Dissertation: *CsrA Regulation of Extreme Acid Stress Response in *E. coli**

Dissertation Chair: T. Romeo

Marco David Goyzueta Altamirano

Major: *Agronomy*

Dissertation: *The Peanut Black Pod Trait: Its Genetics and Their Potential to Fight *Aspergillus* Infection and Aflatoxin Contamination*

Dissertation Chair: B. Tillman

Kyle B. Griffin

Major: *Agricultural and Biological Engineering*

Dissertation: An Integrated Bioprocess for Conversion of Solid Waste to Renewable Natural Gas, Single Cell Protein, and Polyhydroxybutyrate, Utilizing Anaerobic Digestion, Carbon Dioxide Methanation and Biogas Methanotrophy

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-chair: S. A. Svoronos

Siddhartha Gulhare

Major: *Civil Engineering*

Dissertation: Extracting Behavioral Information from Machine Learning Models

Dissertation Chair: S. Srinivasan

Bonginkosi Charles Gumbi

Major: *Wildlife Ecology and Conservation*

Dissertation: Comparative Genomics and Evidence for Local Evolutionary Adaptation in *Mastomys natalensis* Sampled from a Heterogeneous Landscape

Dissertation Chair: J. D. Austin

Xi Guo

Major: *Materials Science and Engineering*

Dissertation: An Improved Method for Predicting Laser Parameters for Selective Laser Sintering in Semi-Crystalline Polymer Systems

Dissertation Chair: B. M. Moudgil

Yuxi Guo

Major: *Forest Resources and Conservation*

Dissertation: Consequences of Land Management on Ecosystem Functions and Services in Subtropical Agroecosystems

Dissertation Chair: J. Qiu

John W. Hampton

Major: *Curriculum and Instruction*

Dissertation: Experiences of Video Game Play and Subreddit Communities on Self-Reported Well-Being and Resilience during COVID-19: A Phenomenological Study of *Animal Crossing: New Horizons*

Dissertation Chair: A. D. Ritzhaupt

Mengjie Han

Major: *Design, Construction and Planning*

Dissertation: Evaluating Modal Mismatch through Lens of Equity in the San Francisco Bay Area

Dissertation Chair: R. L. Steiner

Sanghee Han

Major: *Environmental Engineering Sciences*

Dissertation: Prediction of Secondary Organic Aerosol from the Multiphase Reaction of Hydrocarbons by Using Volatility-Reactivity Base Lumping

Dissertation Chair: M. Jang

Kira Maryann Hansen

Major: *Agricultural and Biological Engineering*

Dissertation: Compact Bed Plasticulture Improves System Efficiency and Reduces Production Risks for Double and Single Row Crops Throughout the Eastern Seaboard of the United States

Dissertation Chair: S. Shukla

Taylor A. Harmon

Major: *Chemistry*

Dissertation: Utilizing Novel Separation and Detection Techniques to Expand Metabolomic Coverage in Bioanalytical Liquid Chromatography-Mass Spectrometry Discovery and Quantitation

Dissertation Chair: R. A. Yost

Elizabeth N. Hartsell

Major: *Criminology, Law, and Society*

Dissertation: An Examination of the Marion County Diversion Drug Court

Dissertation Chair: J. L. Wilson

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

Katherine Rose McNair Hendrickson

Major: *Aerospace Engineering*

Dissertation: *Asynchronous Multi-Agent Optimization: Distributed Algorithms for Contested Environments*

Dissertation Chair: M. Hale

Joseph Aurelio Henry

Major: *Fisheries and Aquatic Sciences*

Dissertation: *Development and Evaluation of Novel Techniques for Global Coral Propagation and Reef Restoration*

Dissertation Chair: J. T. Patterson

Sarah T. Hensley

Major: *Agricultural Education and Communication*

Dissertation: *A Qualitative Study of the Perceptions of Florida 4-H Youth to Determine Program Quality Elements and Impacts*

Dissertation Chair: B. E. Myers

Anahita Heshmat

Major: *Medical Sciences—Medical Physics*

Dissertation: *Assessing Iodine Detection in Dual-Energy Computed Tomography and Subtraction Computed Tomography Systems*

Dissertation Chair: I. L. Barreto

Dissertation Co-chair: L. N. Rill



Ryan Patrick Hildebrandt

Major: *Medical Sciences—Genetics*

Dissertation: Elucidating Mechanisms of RNA Localization Mediated by Modular Domains of RNA Binding Proteins

Dissertation Chair: E. T. Wang

Joseph Michael Hoft

Major: *Criminology, Law, and Society*

Dissertation: Decision Making in A Legal Case

Dissertation Chair: J. L. Wilson

Dissertation Co-chair: L. M. Levett

Brittanny Victoria Holden

Major: *Aerospace Engineering*

Dissertation: Trajectory Optimization of Low-Thrust Interplanetary and Earth Orbit Transfers

Dissertation Chair: A. Rao

Niyomi House

Major: *Zoology*

Dissertation: Population Genomics of Human Head Lice and the Evolution of Insecticide Resistance

Dissertation Chair: D. L. Reed

Chu-En Hsu

Major: *Coastal and Oceanographic Engineering*

Dissertation: Characterization of the Effects of Tropical-Cyclone Properties on Waves and Total Water Levels along the Coast in the South Atlantic Bight

Dissertation Chair: M. Olabarrieta Lizaso

Honggang Hu

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: Three Essays on Retail and Platform Operations

Dissertation Chair: A. Pan

Dissertation Co-chair: T. Rajapakshe

Qi Hu

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Carcinogenesis of Tobacco-Specific Carcinogen 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone (NNK) and Chemoprevention Effect of Kava

Dissertation Chair: C. Xing

Yaodan Hu

Major: *Electrical and Computer Engineering*

Dissertation: Towards the Next Generation Power Grid: Security Defense of Smart Grid

Dissertation Chair: S. Wang

Dissertation Co-chair: Y. Fang

Rui Tammy Huang

Major: *Curriculum and Instruction*

Minor: *Human-Centered Computing*

Dissertation: Designing a Digital Game to Foster International English Language Learners' Language-Related Episodes: A Design-Based Research Approach

Dissertation Chair: M. M. Schmidt

Dissertation Co-chair: A. D. Ritzhaupt

Xing Huang

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: Doing Math Homework on the Intelligent Tutoring System: Middle School Students' Self-Regulated Learning and Help-Seeking Behaviors

Dissertation Chair: P. Antonenko

Dissertation Co-chair: A. Botelho

Yixiao Huang

Major: *Plant Pathology*

Dissertation: The Outer Membrane Proteome of *Candidatus Liberibacter* Species and Its Functional Study in the Citrus Huanglongbing Pathosystem

Dissertation Chair: N. Wang

Tianyao Huo

Major: *Medical Sciences—Health Outcomes and Policy*

Dissertation: Examination of Disparities in Pediatric Lipid Screening and Management in Florida Medicaid

Dissertation Chair: M. J. Gurka

Dissertation Co-chair: M. I. Cardel

Ali Husnain

Major: *Animal Molecular and Cellular Biology*

Dissertation: Exploring Molecular and Cellular Processes of Compromised Fertility Caused by Uterine Inflammation in Dairy Cows

Dissertation Chair: J. E. Santos

Mmadili Nancy Ilozumba

Major: *Epidemiology*

Dissertation: Examining Gene-Environment Interactions to Elucidate the Role of mTOR Pathway in Breast Cancer Risk among Black Women

Dissertation Chair: T. Cheng

Dissertation Co-chair: L. Yaghjian

Louis Herschel Irving

Major: *Psychology*

Dissertation: Re-Re-Assessing the Incremental Predictive Validity of Implicit Association Tests

Dissertation Chair: C. T. Smith

Franjo Ivankovic

Major: *Genetics and Genomics*

Dissertation: Genomics and Phenomics of Obsessive-Compulsive and Related Disorders

Dissertation Chair: C. A. Mathews

Laura Jalpa

Major: *Soil and Water Sciences*

Dissertation: Recovery Efficiency and Response to Control Release N Sources in Drip Irrigated Tomatoes

Dissertation Chair: R. S. Mylavarapu

Jennifer Lynn Jaramillo

Major: *Special Education*

Dissertation: Using Language Sample Analysis as a Measure of Expressive Language for Preschool Children with Disabilities: An Exploratory Study

Dissertation Chair: M. E. McLean

Kalene R. Jasso

Major: *Medical Sciences—Neuroscience*

Dissertation: Role of Melanin Concentrating Hormone Receptor 1 in Olfactory Signaling

Dissertation Chair: J. C. McIntyre

Arun Prasad Javvaji

Major: *Electrical and Computer Engineering*

Dissertation: Efficient Time-Based Circuits for Analog to Digital Converters in Scaled CMOS Processes

Dissertation Chair: N. Maghari

Mary E. Jeghers

Major: *Rehabilitation Science*

Dissertation: Community Mobility: Transportation Behaviors, Challenges, and Opportunities among Multiple Stakeholder Groups

Dissertation Chair: S. M. Winter

Dissertation Co-chair: S. Classen

Heidi Lee Jensen

Major: *Music*

Dissertation: Gangsters and Pirates: Navigating Song with ‘Mack the Knife’ and ‘Pirate Jenny’

Dissertation Chair: S. J. dos Santos

Wenguang Jiang

Major: *Physics*

Dissertation: Superfluid ³He-B Surface States in a Confined Geometry Probed by a Microelectromechanical Oscillator

Dissertation Chair: Y. Lee

Amy Danielle Jones

Major: *Food Science*

Dissertation: Effect of Water Activity and Acidulation on Survival of *Salmonella* in a Low Moisture Energy Bar

Dissertation Chair: K. R. Schneider

Gregory F.M. Jongsma

Major: *Zoology*

Dissertation: Patterns and Processes of Frog Diversification in Tropical Africa

Dissertation Chair: D. Blackburn

Michelle Joyce

Major: *Curriculum and Instruction*

Minor: *Family, Youth and Community Sciences*

Dissertation: A Phenomenological Study of the Implementation of Trauma-Informed Practices in High School Science Classrooms

Dissertation Chair: J. C. Brown

Min Ji Kang

Major: *English*

Dissertation: Shared Narratives of Defiance: Korean “Comfort Women” and African American Enslaved Women

Dissertation Chair: M. J. Schueller

Rachel Eve Kaplan

Major: *Special Education*

Minor: *Psychology*

Dissertation: Outcomes of a Telehealth Parent Training on Applied Behavior Analysis for Parents of Children at Risk for Emotional Disturbance

Dissertation Chair: N. A. Gage

Dissertation Co-chair: C. T. Schmidt

Elena Karlsen-Ayala

Major: *Plant Pathology*

Dissertation: Characterization of Ectomycorrhizal Fungal Communities Associated with Florida Slash Pine in the South Florida Pine Rocklands

Dissertation Chair: R. Gazis-Seregina

Dissertation Co-chair: M. E. Smith

Rachel Marie Keffe

Major: *Zoology*

Dissertation: The Functional Morphology of Feeding and Locomotion in Frogs

Dissertation Chair: D. Blackburn

Chase Patrick Kelley

Major: *Genetics and Genomics*

Dissertation: RNA-Binding Proteins and RNA Toxicity in Repeat Expansion Diseases: Mechanisms and Therapeutic Development

Dissertation Chair: E. T. Wang

Jack P. Kennedy

Major: *Medical Sciences—Neuroscience*

Dissertation: Movement Related Changes in Cortical Local Field Potentials

Dissertation Chair: A. P. Maurer

Kristen Maria Kent

Major: *Counseling Psychology*

Dissertation: To Seek or Not to Seek: Intellectual Humility as Predictor of Professional Psychological Help-Seeking

Dissertation Chair: M. Heesacker

Ishan Dhananjay Khurjekar

Major: *Electrical and Computer Engineering*

Dissertation: Uncertainty-Aware Machine Learning for Guided Wave Structural Health Monitoring

Dissertation Chair: J. Harley

Changwook Kim

Major: *Health and Human Performance*

Minor: *Family, Youth and Community Sciences*

Dissertation: Unpacking the Global-Local Nexus: The Interface among Sport Industry and Community and Individual Resilience

Dissertation Chair: Y. J. Ko

Min Ji Kim

Major: *Mass Communication*

Dissertation: The Appraisal Tendencies of Core and Moral Disgust and the Effects on Food Choices

Dissertation Chair: Y. Lee

Seokgoo Kim

Major: *Mechanical Engineering*

Dissertation: Challenges and Opportunities of System-Level Prognostics and Health Management

Dissertation Chair: N. H. Kim

Arun Raj Kizhakkayil Mangadan

Major: *Chemistry*

Dissertation: Exploration of the Unique Catalytic Properties of StackPhos in Palladium-Catalyzed Olefin Functionalization

Dissertation Chair: A. Aponick

Kotryna Klizentyte

Major: *Forest Resources and Conservation*

Dissertation: Novel Economic Valuation of Natural Resources and Recreation Opportunities: Considerations for Management and Future Planning

Dissertation Chair: D. Adams

Dissertation Co-chair: T. V. Stein

Hui Jean Kok

Major: *Health and Human Performance*

Dissertation: Identifying the Role of Insulin-Like Growth Factor-One from Satellite Cells during Skeletal Muscle Growth and Regeneration

Dissertation Chair: E. R. Barton

Sara J. Komenda

Major: *Forest Resources and Conservation*

Dissertation: Exploring the Use of Smart Irrigation Systems for Residential Water Conservation

Dissertation Chair: M. C. Monroe

Cory Thomas Kornman

Major: *Chemistry*

Dissertation: Design, Synthesis, and Photoisomerization of Oligothiophenes Functionalized with Electron-Deficient Units Containing Dicyano Groups

Dissertation Chair: R. K. Castellano

Nattapol Kraisitodomsook

Major: *Plant Pathology*

Dissertation: Investigating the Systematics, Evolution, and Biology of the Bird's Nest Fungi Family (Agaricales, Basidiomycota)

Dissertation Chair: M. E. Smith

Gustavo Fernando Kreutz

Major: *Horticultural Sciences*

Dissertation: Identifying and Deciphering Genetic Variation for Phosphorus Use Efficiency in Lettuce (*Lactuca sativa* L.)

Dissertation Chair: G. V. Sandoya Miranda

Dissertation Co-chair: J. Bhadha

Aishwarya Sushil Kulkarni

Major: *Medical Sciences—Pharmacology and Therapeutics*

Dissertation: Understanding the Mechanisms Underlying Olfactory Dysfunction in Prodromal Parkinson's Disease

Dissertation Chair: D. W. Wesson

Soham A. Kulkarni

Major: *Physics*

Dissertation: Technology Development for Ground Verification of Dimensional Stability of the LISA Telescope

Dissertation Chair: G. Mueller

Hajime G. Kurita Oyamada

Major: *Veterinary Medical Sciences*

Dissertation: Molecular Toxicity Evaluation of the Effect of Novel Nanoparticle Using Fathead Minnow Fish as a Model

Dissertation Chair: N. D. Denslow

Daniel Kutor

Major: *Mathematics*

Dissertation: Applications of Recommendation Systems to Teaching and Learning

Dissertation Chair: C. Ngonghala

Alexander Joseph Kwiatkowski

Major: *Biomedical Engineering*

Dissertation: Mechanistic Studies of Pre-Clinical Treatments for Multiple Sclerosis

Dissertation Chair: B. G. Keselowsky

Dissertation Co-chair: D. Avram

Dylan Michael Larson-Konar

Major: *Counseling Psychology*

Dissertation: A Self-Determination Approach to Sexual Well-Being

Dissertation Chair: M. Heesacker

Kimberly J. Ledger

Major: *Wildlife Ecology and Conservation*

Minor: *Geography*

Dissertation: The Role of Changing Lands and Hosts on Tick and Tick-Borne Pathogen Ecology in Southern Africa

Dissertation Chair: S. M. Wisely

Hung Yi Lee

Major: *Industrial and Systems Engineering*

Dissertation: High Dimensional Data Driven Decision Making with Limited Regularity and Structural Information

Dissertation Chair: H. Liu

Yongseok Lee

Major: *Research and Evaluation Methodology*

Dissertation: A Comparison of Random Forest Methods for Dealing with Missing Data in Covariates in Propensity Score Analysis

Dissertation Chair: W. L. Leite

Satit Leelathawornchai

Major: *English*

Dissertation: Sentiment and Utility in Eighteenth-Century British Abolitionist Writing

Dissertation Chair: R. Maioli dos Santos

Jiajun Lei

Major: *Chemistry*

Dissertation: Segmented Flow Strategies towards an Integrated Liquid Chromatography-Mass Spectrometry-Nuclear Magnetic Resonance Workflow for Lipid Structural Elucidation

Dissertation Chair: R. A. Yost

Dissertation Co-chair: M. E. Merritt

Bin Li

Major: *Medical Sciences—Molecular Cell Biology*

Dissertation: Fibroblast Activation Protein Alpha Is Critical for Ovarian Cancer Cell Survival by Sustaining NF- κ B Activation through Recruitment of PRKDC in Lipid Rafts

Dissertation Chair: S. Huang

Haoxi Li

Major: *Chemistry*

Dissertation: Computational and Experimental Study of Dopamine D1 Receptor and Carbonic Anhydrase IX Enzyme

Dissertation Chair: N. A. Horenstein

Yaqin Li

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: Early Childhood Teachers' Perspectives about Evidence-Based Practices

Dissertation Chair: P. Snyder

Laurel Brienne Lietzenmayer

Major: *Entomology and Nematology*

Dissertation: Causes and Consequences of Female Aggression and Sexual Cannibalism in Two Highly Visual Invertebrate Systems

Dissertation Chair: L. A. Taylor

Chuwei Lin

Major: *Botany*

Dissertation: Characterization of Guard Cell Specific MPK4-Associated Protein Complex

Dissertation Chair: S. Chen

Chunyao Liu

Major: *Design, Construction and Planning*

Dissertation: Preserving Historic Interiors: Fashioning History and Taste in New York City and Shanghai

Dissertation Chair: E. K. Cunningham

Dake Liu

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Characterization of Enzymes for Drug Metabolism and Natural Product Biosynthesis

Dissertation Chair: Y. Ding

Mengfei Liu

Major: *Curriculum and Instruction*

Dissertation: Making Sense of the Mandate: Elementary Education Teacher Educators' Journey of ESOL Infusion

Dissertation Chair: E. J. de Jong

Ruohan Liu

Major: *Curriculum and Instruction*

Dissertation: Elementary School Teachers' Changes in Computational Thinking Understanding and Instruction following Professional Development: A Qualitative Multi-Case Study

Dissertation Chair: M. Israel

Xiaomeng Liu

Major: *Electrical and Computer Engineering*

Dissertation: Lightweight Light Transport for Non-Line-Of-Sight Imaging

Dissertation Chair: S. J. Koppal

Yalan Liu

Major: *Environmental Engineering Sciences*

Dissertation: Characterization of Per- and Polyfluoroalkyl Substances (PFAS) in Broad Solid Waste Streams

Dissertation Chair: T. G. Townsend

Yikan Liu

Major: *Agricultural and Biological Engineering*

Dissertation: Enhancing Anaerobic Digestion Performance by Pretreatment, Process Design Improvement and Inoculum Selection

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-chair: S. A. Svoronos

Yucheng Liu

Major: *Linguistics*

Dissertation: The Role of Verb Information in Mandarin VN1deN2 Ambiguities

Dissertation Chair: E. Kaan

Yiruo Lu

Major: *Industrial and Systems Engineering*

Dissertation: Energy Pricing for Wholesale Electricity Markets: Practical Market Features and Uncertainties

Dissertation Chair: Y. Guan

Elias T. Lunsford

Major: *Zoology*

Dissertation: Mechanisms and Evolution of Sensory Feedback and Signal Transduction in Lateral Line Hair Cells

Dissertation Chair: J. C. Liao

Obinna C. Madubuike

Major: *Design, Construction and Planning*

Dissertation: Investigation of Digital Twin-Based Healthcare Facilities Management

Dissertation Chair: C. J. Anumba

Edgar Vicente Marcillo Yopez Sr.

Major: *Food and Resource Economics*

Dissertation: Three Essays on the Impact of Shocks, Social and Trade Policies on Household's Allocation of Time, Living Conditions, and Violence: Evidence from Colombia

Dissertation Chair: M. V. P. Useche

Dissertation Co-chair: M. Reimão

Brittani Ann Maskley

Major: *Materials Science and Engineering*

Dissertation: Feasibility of Infrared Thermography for Sub-surface Weld Defect Detection in Practice and in Theoretical Models

Dissertation Chair: M. V. Manuel

Naren Vikram Raj Masna

Major: *Electrical and Computer Engineering*

Dissertation: Spectroscopy at Edge: Smart, Connected, and Portable Spectroscopy for Material Authentication

Dissertation Chair: S. Bhunia

Nicholas Mark Matey

Major: *Psychology*

Dissertation: Evaluating the Variables That Affect the Behavior of the Feedback Provider

Dissertation Chair: N. E. Gravina

Connor H. McCurley

Major: *Electrical and Computer Engineering*

Dissertation: Discriminative Feature Learning with Imprecise, Uncertain, and Ambiguous Data

Dissertation Chair: A. Zare

Kevin S. McDaniel

Major: *Anthropology*

Dissertation: *Bivalves in the Lower Amazonian Culinary Landscape: Shells as a Multifunctional Toolkit in the Baía De Caxiuanã*

Dissertation Chair: M. J. Heckenberger

Molly Jean McDougale

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: *Macronutrient Signaling in the Gut-Brain Axis*

Dissertation Chair: G. de Lartigue

Trequan M. McGee

Major: *Horticultural Sciences*

Dissertation: *Exploring Tree Vigor Management and Flood Tolerant Rootstock Options for Subtropical Stone Fruit Production*

Dissertation Chair: A. Sarkhosh

Devanshu Vipul Mehta

Major: *Food Science*

Dissertation: *Examining the Fundamentals of Yeast Flocculation Mechanisms Throughout a Fermentation Process*

Dissertation Chair: A. J. MacIntosh

Dhwani Satish Mehta

Major: *Electrical and Computer Engineering*

Dissertation: *Image Processing and Machine Learning Assisted Printed Circuit Board Assurance*

Dissertation Chair: M. M. Tehranipoor

Carla Milagros Mere Roncal

Major: *Forest Resources and Conservation*

Dissertation: *Unraveling the Mechanisms of Tinamous Coexistence in an Amazonian Landscape*

Dissertation Chair: E. N. Broadbent

Kathleen Marie Miller

Major: *Microbiology and Cell Science*

Dissertation: *Exploring Adaptation to Pressure Extremes on Earth and Mars via Growth, Transcriptomic, and Epigenetic Modulation within the Genus *Carnobacterium**

Dissertation Chair: W. L. Nicholson

Michela Jean Mir

Major: *Rehabilitation Science*

Dissertation: *Characterization of Sensorimotor Cough Function in Atypical Parkinsonism*

Dissertation Chair: K. W. Hegland

Dissertation Co-chair: G. S. Mitchell

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

Wendy Sandra Moore

Major: *Health and Human Performance*

Dissertation: *Parental Factors and Their Association with Intentions to Initiate A Pediatric Weight Management Program*

Dissertation Chair: M. A. McVay

Dissertation Co-chair: M. M. Maldonado-Molina

Maria del Pilar Morales Giner

Major: *Sociology*

Dissertation: *“We Only Have to Look Around Us”: An Analysis of Sense of Place in a Context of Climate Change*

Dissertation Chair: S. G. Perz

Priscilla Vanessa Moreno Bell

Major: *Curriculum and Instruction*

Dissertation: *Cuentos de Resistencia: A Narrative Study of Latine Students' (In)Visible Experiences at a PWI*

Dissertation Chair: S. G. Terzian

Chanel Alexis Mosby

Major: *Microbiology and Cell Science*

Dissertation: *Norovirus Interactions Induce Changes in Bacterial Extracellular Vesicle Production, Biogenesis, and Content*

Dissertation Chair: M. K. Jones

Amber Brisa Moss

Major: *Counseling and Counselor Education*

Dissertation: *Lived Experiences of Resilience among Counselors Who Treat Adolescents with Maladaptive Sexual Behavior*

Dissertation Chair: C. H. Schuermann

Sourav Mukherjee

Major: *Statistics*

Dissertation: *Convergence Properties of Data Augmentation Algorithms for High-Dimensional Robit Regression, and a Non-Parametric Approach for Estimating Consumer Valuation Distributions Using Second Price Auctions*

Dissertation Chair: K. Khare

Dissertation Co-chair: R. K. Patra

D'Annette L. Mullen

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

Dissertation: *Solid, Liquid, and Past: Boundaries on the Imaginative State of Restorative Justice Implementation*

Dissertation Chair: H. B. Lane

Dissertation Co-chair: K. Bhattacharya

Olga Svetlana Munoz Pogoreltseva

Major: *Public Health*

Dissertation: *Collaboration in Resilience of State Veterinary Services during the COVID-19 Pandemic: Case Studies from Switzerland, Nepal, Tunisia, and Chile*

Dissertation Chair: I. Capua

Dissertation Co-chair: S. L. McKune

Christopher Michael Muntzner

Major: *Linguistics*

Dissertation: *Nominal Elements in Khoekhoe*

Dissertation Chair: B. M. Henderson

Leah Ruth Murphy

Major: *Educational Leadership*

Dissertation: *Espinoza v. Montana Department of Revenue: Possible Effects on the State of Florida*

Dissertation Chair: R. C. Wood

Dissertation Co-chair: L. B. Eldridge

Mohammed Mustapha

Major: *Anthropology*

Dissertation: *Ironworking and Political Centralization in Mamprugu: Archaeological Insights for Historiography in Northern Ghana*

Dissertation Chair: K. E. Sassaman Jr.

Dissertation Co-chair: B. H. Chalfin

Adalena Vittoria Nanni

Major: *Genetics and Genomics*

Dissertation: *The Impact of Splicing on Phenotypic Variation within and between Species*

Dissertation Chair: L. M. McIntyre

Sanaz Nazari

Major: *Research and Evaluation Methodology*

Dissertation: A Comparison of Machine Learning Classifiers to Detect Social Desirability Bias Using Person-Fit Indices

Dissertation Chair: W. L. Leite

Aravind Neelakantan

Major: *Electrical and Computer Engineering*

Dissertation: System-level Modeling and Simulation of Extreme-scale HPC Systems

Dissertation Chair: H. Lam

July Dayane Nelson

Major: *Agricultural Education and Communication*

Dissertation: Developing a Common Evaluation Framework for the NIOSH Centers for Agricultural Safety and Health

Dissertation Chair: S. Galindo

Laurel Beth Nesbit

Major: *Counseling and Counselor Education*

Dissertation: Uses of the Enneagram of Personality in Psychotherapy: A Constructivist Grounded Theory Investigation

Dissertation Chair: H. B. Bayne

Collin James Ortals

Major: *Coastal and Oceanographic Engineering*

Dissertation: Coastal Environmental Flows and Land Change in Built and Natural Systems

Dissertation Chair: C. Angelini

Masashi Otani

Major: *Curriculum and Instruction*

Dissertation: Five Japanese American Students and Their Investment in a Japanese *Hoshuko* in the United States

Dissertation Chair: E. J. de Jong

Staci Ouch

Major: *Counseling Psychology*

Dissertation: The Role of Model Minority Beliefs in Collective Action among Asian American People

Dissertation Chair: B. Moradi

Adaixa Padron

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Diurnal Variations in Salivary Concentrations of Pro-Tumorigenic Cytokines and Possible Effects of Psychophysiological Stress in Gynecologic Cancer Patients and Matched Healthy Controls

Dissertation Chair: D. B. Pereira

Elisha Rose Pager

Major: *Aerospace Engineering*

Dissertation: Computational Methods for Solving Nonsmooth and Singular Optimal Control Problems with Aerospace Applications

Dissertation Chair: A. Rao

Mainak Pal

Major: *Physics*

Dissertation: Defects, Strain and Topology in Correlated Electron Systems

Dissertation Chair: P. J. Hirschfeld

Jaeyoung Park

Major: *Industrial and Systems Engineering*

Minor: *Statistics*

Dissertation: Advanced Statistical and Machine Learning Algorithms for Patient-Centric Care Delivery

Dissertation Chair: X. Zhong

Seyeon Hwang Park

Major: *Design, Construction and Planning*

Dissertation: Planning, Citizenship and Refugee Resettlement: A Case Study of Jacksonville, Florida

Dissertation Chair: C. Silver

Dissertation Co-chair: K. E. Larsen

Chun-Ru Lin Parry

Major: *Curriculum and Instruction*

Dissertation: Developing an Evaluative Rubric to Assess Phonological Awareness and Phonics Apps on iPads

Dissertation Chair: S. Kumar

Sagar Patni

Major: *Civil Engineering*

Dissertation: Modeling Route and Stop Level Transit Ridership

Dissertation Chair: S. Srinivasan

Sarah B. Paxson

Major: *Sociology*

Dissertation: "We Deserve Better": Sapphic Grief with Media Loss

Dissertation Chair: K. L. Broad

Christian Peeters

Major: *Computer Engineering*

Dissertation: Developing End-To-End Security Solutions for Redirection Attacks in Legacy Telecommunications Infrastructure

Dissertation Chair: P. Traynor

Dissertation Co-chair: T. Shrimpton

Bo Pei

Major: *Curriculum and Instruction*

Dissertation: Exploring Algorithmic Fairness in Virtual Learning Environments

Dissertation Chair: W. Xing



Mariia Petryk

Major: *Business Administration—Information Systems and Operations Management*

Minor: *Statistics*

Dissertation: *Essays on Management and Economics of Emerging Technology*

Dissertation Chair: L. Qiu

Dissertation Co-chair: P. A. Pathak

Janny Pineiro Llanes

Major: *Biomedical Engineering*

Dissertation: *Influence of Extracellular Matrix on Mitochondrial Function and Myogenesis*

Dissertation Chair: C. Simmons

Stefania Pinto

Major: *Psychology—Clinical and Health Psychology*

Dissertation: *Patterns of Body Image in Latinx College Students: A Latent Profile Analysis*

Dissertation Chair: D. Janicke

Jeanette Pirlo

Major: *Zoology*

Dissertation: *Proboscidean Niche Partitioning and Population Dynamics in the Late Miocene-Early Pliocene of Florida*

Dissertation Chair: B. J. MacFadden

Nimesh Pokhrel

Major: *Electrical and Computer Engineering*

Dissertation: *Simulating the Fabrication of Nb/Al-AIO/Nb Josephson Junctions in Florida Object Oriented Process/Device/Reliability Simulator (FLOOXS)*

Dissertation Chair: M. E. Law

Rhiannon Nicole Pollard

Major: *Curriculum and Instruction*

Dissertation: *Past, Present, and Post(?)—Pandemic Future: Instructional Designers in Higher Education*

Dissertation Chair: S. Kumar

Taylor Anne Polvadore

Major: *Anthropology*

Dissertation: *Advancing in Leaps and Bounds: A Holistic Analysis of Bounding Locomotor Behaviors in African Colobine Monkeys*

Dissertation Chair: D. Daegling

Nitin K. Pundir

Major: *Electrical and Computer Engineering*

Dissertation: *Security Sign-Off of SoC Designs*

Dissertation Chair: M. M. Tehranipoor

Yufan Sunny Qin

Major: *Mass Communication*

Dissertation: *Inspiring Remote Employee Engagement: Examining the Role of Internal Communication*

Dissertation Chair: M. DiStaso

Yunxi Qu

Major: *Higher Education Administration*

Dissertation: *Qualitative Analysis of the Motivations and Experiences of International Students in an Overseas Short-Term STEM Program*

Dissertation Chair: J. C. Ortagus

Dissertation Co-chair: F. J. Fernandez

Moinul Hossain Rahat

Major: *Physics*

Dissertation: *Fermion Masses and Mixings, and Leptogenesis in T_{13} Family Symmetry*

Dissertation Chair: P. Ramond

Muhammad Sajidur Rahman

Major: *Computer Science*

Dissertation: Analyzing Inconsistencies in Data Privacy Practice of Mobile Apps

Dissertation Chair: B. J. Williams

Dissertation Co-chair: V. C. Bindschaedler

Haqiqurahman Rahmani

Major: *Wildlife Ecology and Conservation*

Dissertation: Modeling Snow Leopard Distribution, Space Use, Movement Pattern, Resource Selection and Quantifying Land-Use/Land-Cover Change in the Wakhan National Park

Dissertation Chair: R. J. Fletcher

Kenneth C. Rainer

Major: *Forest Resources and Conservation*

Dissertation: Building and Fostering Resilience through Environmental Education

Dissertation Chair: M. C. Monroe

Kavindri Dilshini Ranasinghe

Major: *Chemistry*

Dissertation: Modeling of Chemical Reactions and Protein Structure Refinement Using Machine Learning

Dissertation Chair: A. E. Roitberg

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

Veronica Lindsey Richards

Major: *Epidemiology*

Dissertation: Identifying Harmful Patterns of Alcohol Use with Self-Report and Objective Measures: A Path towards Future Alcohol Interventions

Dissertation Chair: R. L. Cook

Dissertation Co-chair: Y. Wang

Christian Josué Rivera

Major: *Wildlife Ecology and Conservation*

Dissertation: Interdisciplinary Approaches to Analyzing the Harvest and Trade of Wildlife

Dissertation Chair: V. K. Hull

Erick J. Rodriguez

Major: *Entomology and Nematology*

Dissertation: Integrative Taxonomy to Enhance Accuracy of Identification of Fruit Fly Larvae in the Genus *Anastrepha* (Diptera: Tephritidae)

Dissertation Chair: M. A. Branham

Jake Rosenzweig

Major: *Physics*

Dissertation: Precision Measurement of the Higgs Boson Mass and Search for Dilepton Mass Resonances in $H \rightarrow 4l$ Decays Using the CMS Detector at the LHC

Dissertation Chair: A. Korytov

Dissertation Co-chair: G. Mitselmakher

Lindsay Jessica Francie Rotblatt

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Cognitive Aging Trajectories: Cardiovascular Risk, White Matter, and Medication Predictors

Dissertation Chair: M. Marsiske

William Nicholas Ruddick

Major: *Medical Sciences—Genetics*

Dissertation: Animal Models and Therapeutic Studies in Rare Inherited Retinal Disorders

Dissertation Chair: A. Dinculescu

Archie Sachdeva

Major: *Biostatistics*

Dissertation: Novel Statistical Approaches for High-Dimensional Microbiome Data and Integrative Analysis of Single-Arm Clinical Studies and Real-World Data

Dissertation Chair: S. Guha

Afsheen Sadaf

Major: *Design, Construction and Planning*

Dissertation: Socioeconomic, Cultural, Gender and Age-Related Disparities/Inequalities in Health Contributing Increase in Overweight and Obesity Rate and Decrease in Physical Activity (PA): A Case Study of Karachi, Pakistan

Dissertation Chair: C. Silver

Dissertation Co-chair: T. M. Murtha

Srijata Samanta

Major: *Statistics*

Dissertation: Some Contributions to Bayesian Sparse Estimation in High-Dimensional Multivariate Regression

Dissertation Chair: G. Michailidis

Dissertation Co-chair: K. Khare

Carola Tatiana Sanchez

Major: *Agricultural and Biological Engineering*

Dissertation: Cultivation and Recovery of Extracellular Polymeric Substances (EPSs) Produced by Saline Cyanobacteria Species BG0011

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-chair: S. A. Svoronos

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

Milan Celine Savoury

Major: *Counseling Psychology*

Dissertation: Feelings of Masculinity and Accomplishment in Response to Female Self-Administered Orgasms during Intercourse

Dissertation Chair: L. Mintz

Mabel Baez Schon

Major: *Forest Resources and Conservation*

Dissertation: Sacred Forests and Conservation: A Holistic Approach to Understand Ethiopian Orthodox Tewahido Church Communities and Forests

Dissertation Chair: K. A. Kainer

Daniel Christopher Schultz

Major: *Pharmaceutical Sciences—Medicinal Chemistry*

Dissertation: Structure-Based Drug Design of Novel Protein-Protein Interaction and GGT1 Inhibitors

Dissertation Chair: C. Li

Dissertation Co-chair: R. W. Huigens III

Layla Angela Schuster

Major: *Microbiology and Cell Science*

Dissertation: Promoter Toolkits to Study and Control Gene Expression across the Proteobacteria

Dissertation Chair: R. Dias

Dissertation Co-chair: C. Reisch

La-Toya Lorraine Scott

Major: *English*

Dissertation: Black Safe Spaces in Hush to Harbor: Black Culture, Black Literature, and Digital Hashtag

Dissertation Chair: D. W. King

Evgeniya Semenova

Major: *Chemistry*

Dissertation: Ring Rearrangements toward Complex Fused Ring Molecules

Dissertation Chair: A. J. Grenning

Youngwoon Seon

Major: *Counseling and Counselor Education*

Dissertation: Positive Peer Affiliation as a Buffer of the Bidirectional Relationship between Bullying Victimization and Perpetration in Children

Dissertation Chair: S. L. Smith

Jatin Sharma

Major: *Microbiology and Cell Science*

Dissertation: Therapeutic Application of SOCS1 Mimetics in Autoimmunity and Their Mechanism of Action

Dissertation Chair: J. Larkin III

Kristen Erika Shear

Major: *Nursing Sciences*

Dissertation: Participatory Development of a Computerized Clinical Decision Support System for Evidence-Based Fall Prevention in Primary Care

Dissertation Chair: A. L. Horgas

Dissertation Co-chair: R. J. Lucero

Eunjeong Shin

Major: *Pharmaceutical Sciences— Clinical Pharmaceutical Sciences*

Dissertation: Elucidating the Target Receptor Occupancy Patterns of β -Lactam Antibiotics Which Elicit Synergistic Bacterial Killing of *Klebsiella pneumoniae*

Dissertation Chair: J. B. Bulitta

Dylan Joseph Sinnickson

Major: *Fisheries and Aquatic Sciences*

Dissertation: The Influence of River Discharge and Environmental Drivers on Fish Populations and Food Webs in the Suwannee River Estuary

Dissertation Chair: D. D. Chagaris

Dissertation Co-chair: M. S. Allen

Sarah Kristine Skinner

Major: *Rehabilitation Science*

Dissertation: Identification of Novel Mechanisms That Modulate the Severity of Skeletal Muscle Deterioration with Aging

Dissertation Chair: R. T. Hepple

Kristin Elizabeth Sloyer

Major: *Entomology and Nematology*

Dissertation: The Ecology of *Culex (Melanoconion)* Vectors of Venezuelan Equine Encephalitis Subtypes ID and II

Dissertation Chair: N. D. Burkett-Cadena

Benjamin Daniel Smith

Major: *Anthropology*

Dissertation: Hunter-Gatherer Stone Economies and Technological Landscapes in The Late Pleistocene Horn of Africa

Dissertation Chair: S. A. Brandt

Jun Ik Sohn

Major: *Design, Construction and Planning*

Dissertation: Uneven Development of Smart Cities: A Case Study in South Korea

Dissertation Chair: A. Alakshendra

Marc Sole Gras

Major: *Mechanical Engineering*

Dissertation: Vapor-Induced Phase Separation-Assisted 3D Printing of Polymeric and Metallic Structures

Dissertation Chair: Y. Huang

Kaidong Song

Major: *Mechanical Engineering*

Dissertation: Study of Gelatin Microgel-Assisted Extrusion Fabrication System for 3D Bioprinting

Dissertation Chair: Y. Huang

Xuening Song

Major: *Chemistry*

Dissertation: Exploiting Photo-Generated Hot Hole Transfer and Photocatalytic Reactions at Metal/Semiconductor Interface

Dissertation Chair: W. Wei

Julie Myung Ok Song-Ross

Major: *Music Education*

Dissertation: Music Teachers' Philosophical Beliefs, and the Use of Those Beliefs in Teaching and Advocacy

Dissertation Chair: W. Bauer

Froylan Sosa Hernández

Major: *Animal Molecular and Cellular Biology*

Dissertation: Genetic and Physiologic Adaptations to Reduce Consequences of Stress on Cell Function: The *PRLR* and *CSF2* Stories

Dissertation Chair: P. J. Hansen

Ariel R. Soto Caro

Major: *Food and Resource Economics*

Dissertation: Sanctuary Cities: the Social and Economic Implications

Dissertation Chair: Z. Guan

Carolyn Souza Fonseca da Silva

Major: *Curriculum and Instruction*

Dissertation: "Out of Place": Transnational Racialization of AfroBrazilians in the Mestizo Geopolitical Imaginary of the Americas

Dissertation Chair: C. L. Busey

Whitney Allyson Stone

Major: *Agricultural Education and Communication*

Dissertation: Redrawing Maps: A Portraiture of Florida's Agricultural Migrant Workers

Dissertation Chair: J. L. Loizzo

Shamindri Tennakoon

Major: *Zoology*

Dissertation: Integrating Qualitative and Quantitative Approaches in Morphological Analyses of Recent and Fossil Benthic Invertebrates

Dissertation Chair: M. Kowalewski

Emily Marie Theobald

Major: *Music*

Dissertation: Musical Exchange between Poland and the United States during the Cold War: 1965-1985

Dissertation Chair: S.J. dos Santos

Chappel Sharrock Thornton

Major: *Materials Science and Engineering*

Dissertation: Novel Diffusion Mechanisms during the Oxidation of Silicon-Germanium/Silicon Heterostructures

Dissertation Chair: K. S. Jones

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

Manvendra Tiwari

Major: *Business Administration—Finance*
Dissertation: Essays on Bank Opacity
Dissertation Chair: M. J. Flannery
Dissertation Co-chair: M. Nimalendran

Eduard Tora Bueno

Major: *Civil Engineering*
Dissertation: Evaluation of the Use of Alternative Cementitious Materials and Cement in Concrete
Dissertation Chair: C. C. Ferraro

Lidimarie Trujillo Rodriguez

Major: *Microbiology and Cell Science*
Dissertation: Development of a Comprehensive Molecular Toolbox for the Study of Intrinsic Antibiotic Resistance in *Burkholderia thailandensis*
Dissertation Chair: J. A. Maupin

Moiz Usmani

Major: *Environmental Engineering Sciences*
Dissertation: Development of Remote Sensing-Based Predictive Analytics to Understand Complex Environmental Problems of Ensuring Sustainability of Human Well-Being
Dissertation Chair: A. S. Jutla

Karina Auxiliadora Vado-Martinez

Major: *English*
Dissertation: Mapping Bloodlines, Engineering Utopia: Disidentificatory Science and Mixed-Race Futurities in American Science Fiction
Dissertation Chair: T. M. Hedrick

Renuk Varayil Lakshmanan

Major: *Medical Sciences—Biochemistry and Molecular Biology*
Dissertation: Biochemical, Biophysical, and Structural Characterization of Parvovirus VP1u Domains
Dissertation Chair: R. McKenna

Joseph Francis Velenovsky IV

Major: *Entomology and Nematology*
Dissertation: The Protist Communities of Colonies Established by Conspecific and Heterospecific *Coptotermes* Alate Pairs Confirm some and Reveal Other Aspects of Symbiosis in Lower Termites
Dissertation Chair: T. Chouvenec
Dissertation Co-chair: N. Su

Stephanie A. Verhulst

Major: *Horticultural Sciences—Environmental Horticulture*
Dissertation: Responses of *Juncus roemerianus*, Soil Microbe Communities, and *Sabal palmetto* to Changing Environmental Conditions along the Gulf of Mexico Big Bend Region of Florida
Dissertation Chair: C. R. Adams

James Ryan Vinyard

Major: *Animal Sciences*
Dissertation: The Use and Development of in Vitro Methodologies in Ruminant Nutrition and Evaluation of Impacts on Student Performance
Dissertation Chair: A. Faciola

Brian Joseph Visconti

Major: *Youth Development and Family Sciences*
Dissertation: Exploring the Five-Factor Personality Model, Context, and Relationship Quality as Predictors or Mediators of Sexual Infidelity
Dissertation Chair: V. Harris

Sara Elizabeth Voorhees

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Pediatric Patient Participation in Food Allergy Management: Review of Encounters and Provider Perspectives

Dissertation Chair: D. A. Fedele

Alyssa C. Walker

Major: *Microbiology and Cell Science*

Dissertation: Uncovering the Differential Effects of Bacteria on Host Proteostasis in *Caenorhabditis elegans* Models of Neurodegenerative Protein Conformational Disease

Dissertation Chair: D. M. Czyz

Lauren N. Walter

Major: *Art History*

Dissertation: Entre Nous: The Art of Female Friendship in Late Eighteenth-Century France

Dissertation Chair: M. L. Hyde

Xiang Wan

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: The Economic Value of Algorithmic Product Recommendation Systems

Dissertation Chair: A. Kumar

Dissertation Co-chair: H. Cheng

Isaac D. Wang

Major: *Human-Centered Computing*

Dissertation: Understanding How Nonverbal Factors Influence Perceptions of Feedback-Giving Virtual Agents

Dissertation Chair: J. Ruiz

Yitan Wang

Major: *Geology*

Dissertation: Lower Crustal Densities from Converted Seismic Body Waves: Development and Applications

Dissertation Chair: R. M. Russo

Yuanda Wang

Major: *Computer Science*

Dissertation: Exploiting the Edge-Cloud Computing Paradigm for New Models and Application Designs

Dissertation Chair: S. Chen

Dissertation Co-chair: Y. Xia

Richard R. Watkins

Major: *Chemistry*

Dissertation: Utilizing Traditional and Unnatural Amino Acid Mutagenesis, along with Molecular Dynamics to Study the Stereochemistry of Old Yellow Enzymes 1 & 3

Dissertation Chair: A. Aponick

Teri Leflore Wells

Major: *Animal Sciences*

Dissertation: Manipulation of Mammary Immunity in Dairy Cattle and Nutrition and Management Effects on Heifer Development and Immunity

Dissertation Chair: C. D. Nelson

Jing Wen

Major: *Design, Construction and Planning*

Dissertation: Assessing the Impact and Use of Immersive Storytelling in Attracting Female Students to Construction Education Using Social Cognitive Career Theory

Dissertation Chair: M. Gheisari

Mihoko Maeda Wheeler

Major: *Linguistics*

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

Dissertation Chair: R. Wayland

Lauren E. Wickman

Major: *Mathematics*

Dissertation: Projective Fraïssé Theory and Knaster Continua

Dissertation Chair: D. Bartosova

Margaret Ellenora Wiggins

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Digital Cognitive Screeners in a Urological Perioperative Environment Examining How Surgery and Anesthesia Impact Cognition in Older Adults Undergoing TURBT

Dissertation Chair: C. E. Price

Kathryn Michelle Williams

Major: *Counseling and Counselor Education*

Dissertation: Experiences of Supervisors in the Field

Dissertation Chair: J. Swank

Tristan Michael Lee Williams

Major: *Medical Sciences—Neuroscience*

Dissertation: Illuminating the Neuropathologic Cascade in Alzheimer's Disease through Creating Novel Models Encompassing Genetic and Non-Genetic Determinants

Dissertation Chair: P. Chakrabarty

Kylie Ann Williamson

Major: *Anthropology*

Dissertation: Life and Death on the Gulf Coast: An Osteological and Isotopic Examination of Three Prehistoric Sites on the Gulf Coast of Florida

Dissertation Chair: J. Krigbaum

Samantha Winders

Major: *Nursing Sciences*

Dissertation: Applying the NIH Symptom Science Model to Understand Sleep and Its' Relationship with Wound Healing in Older Adults with Chronic Venous Leg Ulcers

Dissertation Chair: D. Lyon

Dissertation Co-chair: D. Kelly

Alexandra L. Wiscovitch Bonilla

Major: *Medical Sciences—Genetics*

Dissertation: Single-Cell Sexual Dimorphisms in Non-Sexual Organs

Dissertation Chair: M. J. Cohn

Julia Eve Woodward

Major: *Human-Centered Computing*

Dissertation: Understanding How to Design Information in Augmented Reality Headsets to Aid in Task Performance for Adults and Children

Dissertation Chair: J. Ruiz

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

Joni Elizabeth Wright

Major: *Zoology*

Dissertation: An Investigation of Olfaction Inspired by Two New World Vultures (Family Cathartidae) Thought to Demonstrate Striking Differences in Olfactory System Use

Dissertation Chair: R. T. Kimball

Bin Xu

Major: *Physics*

Dissertation: Various Aspects of Flavor Physics, Neutrino Mixing and Quantum Computing

Dissertation Chair: P. Ramond

Maoran Xu

Major: *Statistics*

Dissertation: Bayesian Inference for Combinatorial Problems

Dissertation Chair: L. Duan

Minzhe Xu

Major: *Business Administration—Marketing*

Dissertation: People Are More Likely to Believe and Share Misinformation on Smartphones (vs. PCs)

Dissertation Chair: Y. Yang

Dissertation Co-chair: C. A. Janiszewski

Zhen Xu

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: Exploring Technology-Assisted Scaffolds to Support Visuospatial Cognition

Dissertation Chair: P. Antonenko

Kaichen Yang

Major: *Electrical and Computer Engineering*

Dissertation: Security Evaluation on Deep Learning Enhanced Cyber-physical Systems

Dissertation Chair: S. Wang

Dissertation Co-chair: Y. Fang

Maher Yazback

Major: *Physics*

Dissertation: Computational Study of the Magneto-electric Effect in Quantum Molecular Magnets

Dissertation Chair: H. P. Cheng

Taylor D. Yeater

Major: *Biomedical Engineering*

Dissertation: The Systemic Consequences of Knee Osteoarthritis: Understanding How Knee Osteoarthritis Progression
Contributes to Autonomic Nervous System Dysregulation

Dissertation Chair: K. Allen

Melinda H. Yin

Major: *Horticultural Sciences*

Dissertation: Physiological and Biochemical Responses of Avocado to Short-Term Flooding: Potential Effects of Ecotype and
Brassinosteroid Treatments

Dissertation Chair: B. A. Schaffer

Dissertation Co-chair: E. Bassil

Joshua N. Yoho

Major: *Chemistry*

Dissertation: Single-Atom Alloy Enhanced Plasmon Photocatalysis

Dissertation Chair: W. Wei

Chen You

Major: *Chemical Engineering*

Dissertation: Experiments and Mathematical Models for Electrochemical Systems

Dissertation Chair: M. E. Orazem

Liang Yu

Major: *Chemical Engineering*

Dissertation: Numerical Simulations and Upscaling of the Dissolution of Porous Minerals

Dissertation Chair: A. J. Ladd

Jessica J. Zakrzewski

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Relationship between Cognitive Insight, Psychiatric Symptomatology & Quality of Life

Dissertation Chair: W. M. Perlstein

Dissertation Co-chair: C. A. Mathews

Jiaqi Zhang

Major: *Electrical and Computer Engineering*

Dissertation: *Overcoming Challenges in Universal Deep Learning Deployment*

Dissertation Chair: S. Ray

Kaile Zhang

Major: *Soil and Water Sciences*

Dissertation: *Long-Term Impacts of Sod-Based Rotation on Belowground Communities, Biologically-Mediated Nutrient Cycling, and Crop Productivity*

Dissertation Chair: H. Liao

Dissertation Co-chair: G. Maltais-Landry

Mu Zhang

Major: *Higher Education Administration*

Dissertation: *A Mixed Methods Study on the Experiences of Chinese International Undergraduates in the U.S.*

Dissertation Chair: C. Haynes

Yuan Zhang

Major: *Business Administration—Information Systems and Operations Management*

Dissertation: *Three Essays on Technological Innovations and Human Decisions*

Dissertation Chair: H. Cheng

Dissertation Co-chair: Y. Kwark

Chong Zhao

Major: *Physics*

Dissertation: *Carbon Nanomaterials in Renewable Energy and Display Applications*

Dissertation Chair: A. G. Rinzler

Min Zhao

Major: *Zoology*

Dissertation: *The Evolutionary History of the Old World Flycatchers, Robins and Chats (Aves, Muscicapidae)*

Dissertation Chair: R. T. Kimball

Yulin Zheng

Major: *Agricultural and Biological Engineering*

Dissertation: *Engineered Biochar for the Removal and Reuse of Phosphorous from Wastewater*

Dissertation Chair: B. Gao

Jiayuan Zhou

Major: *Statistics*

Dissertation: *Scalable Methods for Data Augmentation and Estimation in Concentration Graph Models*

Dissertation Chair: K. Khare

Xin Zhou

Major: *Medical Sciences—Cancer Biology*

Dissertation: *Aberrant CRTC-CREB Activation in LKB1-Inactivated Lung Cancer*

Dissertation Chair: L. Wu

Jiaqiang Zhu

Major: *Chemistry*

Dissertation: *Structural and Mechanistic Basis for tRNA Precursor Processing by Bacterial Ribonuclease P- Conservation and Variation in Molecular Recognition*

Dissertation Chair: M. Harris

Qi Zhu

Major: *Civil Engineering*

Dissertation: *Haptic Interaction for Human-Robot Shared Perception in Construction*

Dissertation Chair: E. J. Du



DOCTOR OF EDUCATION

Zalmond Charles Barney Abbondanza

Major: *Curriculum and Instruction*

Dissertation: A Design and Development Case Study of an Online Corequisite Module for a College Algebra Class

Dissertation Chair: A. D. Ritzhaupt

Dissertation Co-chair: W. Xing

Lia Brenneman

Major: *Curriculum and Instruction*

Dissertation: Factors Intensive English Program Instructors Perceive as Playing a Role in Facilitating Communicative Language Teaching Activities in the Emergency Remote Teaching Environment

Dissertation Chair: S. Kumar

Leah Kathrine Brown

Major: *Curriculum and Instruction*

Dissertation: Teaching while Training: Modifying an Internship Seminar to Support Novice Secondary Teachers in a Traditional Preparation Program in Alaska

Dissertation Chair: A. J. Adams

Marie Stephens Collins

Major: *Curriculum and Instruction*

Dissertation: Early Childhood Preservice Teachers' Conceptualizations of Technology Integration when Designing Integrated Curriculum

Dissertation Chair: K. M. Dawson

Erin Katherine Cooke

Major: *Curriculum and Instruction*

Dissertation: Facilitating Virtual Learning on Equitable Next Generation Science Standards Assessment Practices: Perspectives from an External Educational Technology Provider

Dissertation Chair: V. A. Vescio

Gemma Fleming

Major: *Curriculum and Instruction*

Dissertation: "Just Give Them a 50%": How Teachers of English Language Learners (ELLs) Differentiate Reading Comprehension Assessments in English Language Arts

Dissertation Chair: M. R. Coady

Robert Andrew Fulgenzi

Major: *Curriculum and Instruction*

Dissertation: An Exploration of Organizational Culture in the Remote Work Environment: A Delphi Study

Dissertation Chair: A. D. Ritzhaupt

Ariel Antares Gunn

Major: *Curriculum and Instruction*

Dissertation: How Writing Instructors Use Plagiarism Detection Software to Support Teaching and Learning

Dissertation Chair: S. Kumar

Jennifer Cooper Hamilton

Major: *Curriculum and Instruction*

Dissertation: Creating a Culturally Relevant Inquiry-Based Science Lesson Plan for a Suburban School

Dissertation Chair: S. G. Terzian

Jaime Handlin

Major: *Curriculum and Instruction*

Dissertation: The Elementary Community Classroom: ELL Students' Perceptions of Cultural Affirmation

Dissertation Chair: M. R. Coady

Andrea Phoenix Harvey

Major: *Curriculum and Instruction*

Dissertation: *Personas and the Pursuit of Persistence: A Grounded Theory Study to Construct U.S. Undergraduate Engineering Student Personas*

Dissertation Chair: K. M. Dawson

Amanda Marie Jackson

Major: *Special Education*

Dissertation: *Barriers Student Veterans with Disabilities Experience Accessing Disability Services in Higher Education: A Qualitative Interview Study*

Dissertation Chair: J. L. McLeskey

Dissertation Co-chair: C. T. Schmidt

Laura B. Jackson

Major: *Curriculum and Instruction*

Dissertation: *A Mixed-Methods Study of Technology-Mediated Self-Assessment Strategies Used by American Sign Language/English Interpreter Education Program Graduates*

Dissertation Chair: K. M. Dawson

James John Jeffers III

Major: *Educational Leadership*

Dissertation: *Where Does Graphic Design Belong? Decision-Making under Ambiguity by Visual Applied Arts Administrators*

Dissertation Chair: L. J. Searby

Barbara E. Kennedy

Major: *Higher Education Administration*

Dissertation: *We Have the Same Potential: A Narrative Study of the Perceptions of Successful Community College Students with Autism Spectrum Disorder*

Dissertation Chair: K. D. Peck Parrott

Teresa Ann Masterson

Major: *Special Education*

Dissertation: *An Upstream Approach: School Nurse Led Partnerships for Preventing Anxiety Symptoms in Students with Type 1 Diabetes*

Dissertation Chair: C. C. Griffin

Monica Paige McCormack

Major: *Curriculum and Instruction*

Dissertation: *Making Sense of the Social Studies C3 Framework: A Teacher's Self-Study*

Dissertation Chair: E. A. Washington

Allison Kathleen Morgan

Major: *Curriculum and Instruction*

Dissertation: *Middle School Multiliteracies: Understanding the Multiliteracy Events, Practices, and Skills of Diverse 7th-Grade Students*

Dissertation Chair: G. R. Jeter

Donald Garry Nicolas

Major: *Curriculum and Instruction*

Dissertation: *Equity Liaisons' Approaches to Implementing Equity Plans of Action toward the Advancement of More Equitable School Environments*

Dissertation Chair: G. R. Jeter

Amanda Taylor Pate

Major: *Curriculum and Instruction*

Dissertation: *Online Teacher Professional Development Facilitation Techniques and Strategies: A Case Study*

Dissertation Chair: A. J. Adams

Alfonso Perez

Major: *Educational Leadership*

Dissertation: *Hablando se entiende la gente: Teacher Agency and Discourse in Implementing Translanguaging Pedagogy*

Dissertation Chair: L. J. Searby

Colleen Elaine Pollett

Major: *Special Education*

Dissertation: *Teacher Perspectives on the Implementation of a Foundational Reading Skills Curriculum: A Qualitative Case Study*

Dissertation Chair: H. B. Lane

Dissertation Co-chair: K. L. Cheyney-Collante

Alyssa Perez Ricke

Major: *Special Education*

Dissertation: *The State of Literacy Coaching in Florida Elementary Schools*

Dissertation Chair: H. B. Lane

Dissertation Co-chair: V. E. Gonsalves

Adrienne Marie Roupe

Major: *Educational Leadership*

Dissertation: *New Teacher Mentoring during the COVID-19 Pandemic: Understanding the Perspectives*

Dissertation Chair: L. J. Searby

Monica Lee Stevens

Major: *Curriculum and Instruction*

Dissertation: *Examining Behaviors That Promote Collaboration in Professional Learning Communities*

Dissertation Chair: V. A. Vescio

Brooks Palmer Tracey

Major: *Educational Leadership*

Dissertation: *Principled Principals: How Florida's Level II Principal Preparation Programs Prepare Candidates for Senior Level Positions*

Dissertation Chair: F. C. Curran

Aimee M. White

Major: *Educational Leadership*

Dissertation: *English Language Learner's Access to Free Appropriate Education during School Closures Due to COVID-19*

Dissertation Chair: F. C. Curran



DOCTOR OF PLANT MEDICINE

Clayton Adam Bania

PROFESSIONAL DEGREES

THE WARRINGTON COLLEGE OF BUSINESS

THE HOUGH GRADUATE SCHOOL OF BUSINESS

Dean Sabyasachi Mitra

DOCTOR OF BUSINESS ADMINISTRATION

Angel Rafael Arroyo Suárez
Clinton Allen Buck
Jeffrey Michael Casucci †
Yi Chen
Paul F. Clark
Melonie Hall
Bruce Ned Hawthorne

Michelle D. Lopez
Inga Letitia Moffitt
Doanh The Nguyen
Gary D. Orosy
Stoyanka Petrova
George Lucas Rano

Yeshwanth Sampath
Neill Russell Sandifer
Joseph Leonard Smith
Einstein Tan
Jon Charles Walkwitz
Alan Michael West
Mark William West

THE FREDRIC G. LEVIN COLLEGE OF LAW

Dean Laura A. Rosenbury

MASTER OF LAWS IN TAXATION

Vladislav Grant
Barret Levine

Joey Rodriguez

Luis Elpidio Sánchez
Nathan P. Warren

THE COLLEGE OF NURSING

Dean Anna M. McDaniel

DOCTOR OF NURSING PRACTICE

Julie Giaccone Abbate
Heather H. Augustyniak
Raquel Adriana Baron
Leah Faith Barrington
Mary Catherine Cisco
Michelle Mary Cole
Alejandro Comas
Megan Cozzetto
Katlyn Theresa Diamond
Melissa Jean Dolan
Morgan Ashley Fall
Lynn Saskya Figaro

Kathryn Michele Garcia
Johnathon Tyler Guess
Megan Elizabeth Hanlon
Jessica Lea Hayes
Kay Lewis Hood
Deborah Ann Jacobs
Jennifer Anne Kendrick
Madison Nicole Kissel
Brooke N. Leone
Melissa Sue Loscalzo
Maria Lourdes Madarang
Kristen Nicole Noel

Kimberly May Parikh
Amanda Renée Phillips
Parandis Rahmani-Neshat
Brooke Ashley Reccoppa
Olivia Rossnan
David Alexander Rueda
Chelsea Lee Sachs
Lauren Ashley Schneider
Nathan Thomas Schneider
Stephanie Renae Stratton
Ashley Noelle White
Min Zheng

THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

Dean Beth A. Virnig

DOCTOR OF PHYSICAL THERAPY

Tim Garcia

† Posthumous



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 U.S. News & World Report "Top Public Universities" (2022); No. 3 on the Forbes' list of Best Value Public Universities (2019); No. 6 in the New York Times list of universities that do the most to help low-income students (2015); No. 2 in Kiplinger's "Best Values in Public Colleges" (2017); No. 3 in the Milken Institute's Ranking of Best Universities for Technology Transfer.

Faculty

- UF has more than 5,800 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 51 faculty elections to the National Academy of Sciences, Engineering, the Institute of Medicine or the American Academy of Arts and Sciences.
- Awards include three Pulitzer Prizes, NASA's top award for research, the Smithsonian Institution's conservation award and a Fields medal.

Students

- Students admitted for 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 4th and 9th respectively in Latino and African American graduates who go on to receive doctorates in STEM fields. It is also ranked 1st in the nation in the number of African American female faculty in engineering.
- Sixty-seven percent of UF full-time freshmen graduate in four years, and 88% of UF freshmen graduate within six years.

UF

2022 SUMMER
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 September of 2022.

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