Commencement
THIS IS NOT AN OFFICIAL GRADUATION LIST

While every effort is made to ensure accuracy in this commencement program, printing deadlines may result in omission of some names and use of names of persons not completing graduation requirements as intended. This printed program, therefore, should not be used to determine a student’s academic or degree status. The university’s official registry for conferral of degrees is the student’s permanent academic record as reflected on the student’s transcript, maintained by the Office of the University Registrar.
Commencement
SUMMER 2020
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 2020.

I celebrate your remarkable accomplishment in earning a doctoral degree from one of the world’s leading research institutions. I applaud you for your years dedicated to in-depth scholarship, thoughtful analysis and meticulous presentation of your findings. 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.

This is a time 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 and analysis skills 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 benefitted from your research work, teaching, insights and discoveries, and we are grateful to you for your time here. We hope you will recall these years fondly, and that you will remain connected to UF as active members of our distinguished alumni.

Good luck, 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 reached its goal of joining the nation’s top-ten public research universities.

Dr. Fuchs has set UF on a path to joining the top-five public research universities and becoming the nation’s number one university for comprehensive excellence. UF is working toward those goals through the creation of 500 new faculty positions, the addition of advanced and beautiful university facilities and an ongoing $3 billion fundraising campaign.

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 Institute 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.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian. The Fuchses have three sons, a daughter, and three grandchildren.

Born on an Oklahoma farm in 1954, President Fuchs spent much of his youth in Alaska before moving to Miami, where he graduated from Miami Killian Senior High School.
University of Florida Leadership

State Board of Education
Richard Corcoran
Commissioner of Education
Andy Tuck
Chair
Marva Johnson
Vice Chair

Florida Board of Governors
Marshall M. Criser III
Chancellor
Richard Corcoran
Commissioner of Education
Sydney Kitson
Chair
Brian Lamb
Vice Chair

University of Florida
Board of Trustees
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Vice Chair

President and Vice Presidents of the University
W. Kent Fuchs, Ph.D.
President
Joseph Glover, Ph.D.
Provost and Senior Vice President - Academic Affairs
Charles E. Lane, D.P.A.
Senior Vice President and Chief Operating Officer - Administration
David R. Nelson, M.D.
Senior Vice President - Health Affairs
J. Scott Angle, Ph.D.
Vice President - Agriculture and Natural Resources
Elias G. Eldayrie, M.B.A.
Vice President and Chief Information Officer - Information Technology
Zina Evans, Ph.D.
Associate Provost and Vice President - Enrollment Management
Antonio Farias, M.F.A.
Chief Diversity Officer and Senior Advisor to the President
Jodi Gentry, M.A.
Vice President - Human Resource Services
Amy M. Hass, J.D.
Vice President - General Counsel
Mark E. Kaplan, J.D.
Vice President - Government and Community Relations
Thomas J. Mitchell, M.S.
Vice President - Advancement
D’Andra Mull, Ph.D.
Vice President – Student Affairs
David Norton, Ph.D.
Vice President - Research
Nancy Paton, M.S.
Vice President for Strategic Communications and Marketing
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
Saby 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
Henry T. Frierson, Ph.D.
The Graduate School
Michael Reid, Ph.D.
College of Health and Human Performance
Nick Place, Ph.D.
IFAS Extension
Robert Gilbert, Ph.D.
IFAS Research
Leonardo Villalón, Ph.D.
International Center
Diane H. McFarlin, B.S.
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
J. Adrian Tyndall, M.D., M.P.H.
Interim, College of Medicine
Anna M. McDaniel, Ph.D., R.N.
College of Nursing
Julie A. Johnson, Pharm.D., R.N.
College of Pharmacy
Michael G. Perri, Ph.D.
College of Public Health and Health Professions
Dana Zimmel, D.V.M.
Interim, College of Veterinary Medicine
Judith C. Russell, M.S.
University Libraries
Heather White, Ph.D.
Dean of Students
GRADUATE SCHOOL
HENRY T. FRIERSON, ASSOCIATE VICE PRESIDENT AND DEAN OF THE GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Kelsey S. Aadland
Major: Microbiology and Cell Science
Dissertation: Conservation of Early miRNA Biogenesis in Animal and Plant Lineages
Dissertation Chair: B. D. Kolaczkowski

Kimberly Paige Boatright Abbott
Major: Anthropology
Dissertation: Repressed Memory of Slavery in Antebellum Plantation Sites: Writing against Whitewashing
Dissertation Chair: P. R. Schmidt
Dissertation Co-chair: M. J. Heckenberger

Stephanie M. Adams
Major: Forest Resources and Conservation
Dissertation: Effects of Paclobutrazol on the Raffaelea lauricola-Persea Pathosystem
Dissertation Chair: J. A. Smith

Saumitra Aditya
Major: Electrical and Computer Engineering
Dissertation: Software-Defined Overlay Network and Workload Orchestration in Social Network-Based Edge Infrastructure for Smart Communities
Dissertation Chair: R. J. Figueiredo

Natasha Marie Agramonte
Major: Entomology and Nematology
Dissertation: Neuroethology of Pyrethroid-Resistant Aedes aegypti: Toxicological Differences, Excito-Repellent Behaviors, and Electrophysiological Firing Response to Pyrethroid Insecticides
Dissertation Chair: J. R. Bloomquist
Dissertation Co-chair: U. R. Bernier

Niousha Ahmari
Major: Medical Sciences—Physiology and Functional Genomics
Dissertation: Targeting Peripheral and Central Immune Changes in Obesity and Hypertension through Bone Marrow Beta-Adrenergic Blockade
Dissertation Chair: J. Zubcevic

Doruk Aksoy
Major: Mechanical Engineering
Dissertation: The Role of the Grain Boundary Structure on Segregation-Induced Embrittlement and Fracture in FCC Nickel
Dissertation Chair: D. Spearot

Matthew C. Albritton
Major: Agricultural Education and Communication
Dissertation: An Exploratory Investigation of an Integrated Skills Acquisition on Preservice Agriculture Teacher Proficiencies and Self Efficacies for Performing and Teaching Technical Agricultural Skills
Dissertation Chair: T. G. Roberts II

Morteza Alipanahroostami
Major: Mechanical Engineering
Dissertation: Development of Highly Permeable Water-Repellent and Omniphobic Membranes for Next Generation Membrane-Based Tow-Phase Heat Sinks
Dissertation Chair: S. Moghaddam
Ala Shehdeh Alobeidyeen  
Major: Civil Engineering  
Dissertation: Flow Propagation Models in Transportation Networks  
Dissertation Chair: A. Elefteriadou

Sulaiman K. Al-Qallaf  
Major: Chemical Engineering  
Dissertation: Offset Free Multivariable Predictive Control Design, Analysis, and Applications  
Dissertation Chair: O. D. Crisalle

Hussain Meed Alqhtani  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation Chair: V. Diaby

Manish Amin  
Major: Physics  
Dissertation: Advancements in Diffusion Weighted Imaging Acquisition and Analysis  
Dissertation Chair: T. H. Mareci

David Merrill Anderson  
Major: Zoology  
Dissertation: Broad Scale Perspectives on the Interplay between Life History and Population Ecology  
Dissertation Chair: J. F. Gillooly

Jesse D. Anderson  
Major: Design, Construction and Planning  
Dissertation: The Political Efficacy of Informal Settlements in Patna, Bihar  
Dissertation Chair: A. Alakshendra

Wesley Michael Anderson  
Major: Wildlife Ecology and Conservation  
Dissertation: Impacts of an Invasive Ecosystem Engineer upon Wetlands and Aquatic Communities across a Subtropical Agroecosystem  
Dissertation Chair: R. K. Boughton

Stephen Michael Apple  
Major: Aerospace Engineering  
Dissertation: Design and Performance Characterization of a New LiSA-Like Gravitational Reference Sensor Test Bed Using the UF Torsion Pendulum  
Dissertation Chair: J. Conklin

Jose A. Arce-Cordero  
Major: Animal Sciences  
Dissertation: Using Dual-Flow Continuous Culture System to Evaluate Ruminal Fermentation Responses to Micronutrients Supplementation  
Dissertation Chair: A. Faciola

Lucas Hunter Armitage  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Regulation of Innate Immune Cell Function and Dysfunction by PTPN22 Allotypes  
Dissertation Chair: C. E. Mathews

Kendra P. Auguste-Vincent  
Major: Mass Communication  
Dissertation: Improving Media Literacy: An In-Depth Look at Consumer Perspectives of Weight-Loss Supplement Advertisements on Instagram  
Dissertation Chair: D. M. Treise
Ori R. Baber  
Major: Health and Human Performance  
Dissertation: Integrating Supply-Side Characteristics into Proximity-Based Evaluations of Access to Community Recreation Facilities  
Dissertation Chair: H. J. Gibson

Olivia A. Bailey  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Type 1 Diabetes Prevention: A Novel Combinatorial Therapy Utilizing Immune Depletion with Induction of Oral Tolerance to Proinsulin  
Dissertation Chair: M. A. Atkinson

Christopher A. Baker  
Major: Food Science  
Dissertation: The Prevalence and Concentration of Shiga Toxin-Producing Escherichia coli in Bovine Manure and Its Survival in Soil  
Dissertation Chair: K. R. Schneider

Guita Banan  
Major: Physics  
Dissertation: Development of a Multiband Magnetic Resonance Electrical Impedance Tomography Technique  
Dissertation Chair: T. H. Mareci

Kamaldeep Kaur Bansal  
Major: Plant Pathology  
Dissertation: Comparative Genomics and Transcriptomics of the Pollen-Mimicking Floral Infection of Blueberry by Monilinia vaccinii-corymbosi  
Dissertation Chair: J. A. Rollins

Angel Antonio Barbosa Espitia  
Major: Geology  
Dissertation: The Accretion of the Panama Arc to the Northern Andes: Geographic Extension, Magmatic and Exhumation Response of the Continental Margin  
Dissertation Chair: D. A. Foster

Enrico Rey Barrozo  
Major: Genetics and Genomics  
Dissertation: Defining Herpes Simplex Virus 1 Latency One Cell at a Time  
Dissertation Chair: D. C. Bloom

Srimayee Basu  
Major: English  
Dissertation Chair: J. R. Schorb

Maria Juliana Bedoya Duran  
Major: Interdisciplinary Ecology  
Dissertation: Privately Protected Areas and the Conservation of Medium and Large Mammals and Ground Birds in Western Andes of Colombia  
Dissertation Chair: L. C. Branch

Marion Marler Bendixen  
Major: Nursing Sciences  
Dissertation: Lactation Success in Mothers of Critically Ill Infants  
Dissertation Chair: L. A. Parker

Adam R. Benjamin  
Major: Forest Resources and Conservation  
Dissertation: Improving Structure from Motion Photogrammetry Mapping Operations through Efficiency and Accuracy Analysis  
Dissertation Chair: H. H. Hochmair
Samuel Joseph Berens  
Major: Chemical Engineering  
Dissertation: Fundamental Understanding of Diffusion Properties in Membranes and Molecular Sieves by High Field Diffusion NMR  
Dissertation Chair: S. Vasenkov

Benjamin Leonard Berey  
Major: Health and Human Performance  
Dissertation: Relations between Impulsivity and Subjective Response with Ramifications for Alcohol Outcomes  
Dissertation Chair: R. F. Leeman

Shaheen Bibi  
Major: Plant Pathology  
Dissertation: Role of Metals in Plant-Microbe Interaction  
Dissertation Chair: J. B. Jones  
Dissertation Co-chair: G. S. Ali

Waleed Abdulrahman Z. Bin Masoud  
Major: Agricultural and Biological Engineering  
Dissertation: Improving the Efficiency to Cool Greenhouses through the Use of a Liquid Desiccant and Regeneration System  
Dissertation Chair: M. J. Correll  
Dissertation Co-chair: R. A. Bucklin

Alexandra Jane Binney  
Major: School Psychology  
Dissertation: The Relationship between Student Perceptions of School Climate and Office Discipline Referrals across the Transition to Middle School  
Dissertation Chair: D. J. Beaulieu  
Dissertation Co-chair: J. D. Splett

Shelby L. Blaes  
Major: Medical Sciences—Neuroscience  
Dissertation: Effects of Dopamine on Risky Decision Making  
Dissertation Chair: B. Setlow  
Dissertation Co-chair: J. L. Bizon

Jeremiah J. Blanchard  
Major: Computer Engineering  
Dissertation: Building Bridges: The Impact of Dual-Modality Instruction in Introductory Programming Coursework  
Dissertation Chair: L. Anthony  
Dissertation Co-chair: C. Gardner-McCune

Ellen Kathleen Bledsoe  
Major: Interdisciplinary Ecology  
Dissertation: The Role of Patch- and Landscape-Level Processes in Shaping Desert Rodent Communities  
Dissertation Chair: S. K. Ernest

Charlotte Allison Bolch  
Major: Curriculum and Instruction  
Minor: Research and Evaluation Methodology  
Dissertation: Data Scientists’ Epistemic Thinking for Creating and Interpreting Visualizations  
Dissertation Chair: K. J. Crippen

Gregory H. Bontrager  
Major: Linguistics  
Dissertation: Effect of Orthographic Depth on Reading in English and Spanish  
Dissertation Chair: C. R. Wiltshire
Wesley Williams Boone IV  
Major: *Wildlife Ecology and Conservation*  
Dissertation: Ecology and Population Genetics of Marsh Rice Rats and Hispid Cotton Rats on Near-Shore Islands  
Dissertation Chair: R. A. McCleery  
Dissertation Co-chair: J. D. Austin

Rodrigo Borba Onofre  
Major: *Plant Pathology*  
Dissertation: Single-Site Fungicide Alternatives for Management of Strawberry Powdery Mildew  
Dissertation Chair: N. A. Peres Lauretti

Jasmine Danielle Bowers  
Major: *Computer Science*  
Dissertation: On the Privacy and Security of Digital Finance Applications  
Dissertation Chair: P. Traynor

Emily Faith Brooks  
Major: *English*  
Dissertation: The Unique Codex Digitization Project: Treasuring the Materiality of Books in Fourth-Wave Digital Humanities  
Dissertation Chair: S. I. Dobrin

Justin L. Brown  
Major: *Medical Sciences—Medical Physics*  
Dissertation: Advancements in the Computation of Patient Organ Dose in Medical Radiation Exposures  
Dissertation Chair: W. E. Bolch

Chesya Burke  
Major: *English*  
Dissertation: #Hashtag, Black Girl Magic: Reimagining Black Women Fluid Artists within the Spirituality of Womanism  
Dissertation Chair: D. W. King

Breanna Kierspe Burkes  
Major: *Medical Sciences—Molecular Cell Biology*  
Dissertation: The Impact of Long and Short Wnt5A Isoforms in Ovarian Cancer  
Dissertation Chair: S. Huang

Jackson Nathanael Cagle  
Major: *Biomedical Engineering*  
Dissertation: Improved Deep Brain Stimulation Therapy for Treatment of Tourette Syndrome  
Dissertation Chair: A. Gunduz

Christina Maria Callicott  
Major: *Anthropology*  
Dissertation: Music, Plants, and Medicine: Lamista Shamanism in the Age of Internationalization  
Dissertation Chair: C. M. Tucker

Patrick H. Carey IV  
Major: *Chemical Engineering*  
Dissertation: Study on Antibacterial Coatings, Ga\textsubscript{2}O\textsubscript{3} and AlGaN/GaN Based Device Fabrication and Characterization  
Dissertation Chair: F. Ren

Stephanie Tanna Carnell  
Major: *Human-Centered Computing*  
Dissertation: Using Virtual Human Scenarios to Study and Improve Communication Skills Learners’ Message Production  
Dissertation Chair: B. Lok

Jack A. Causseaux  
Major: *Agricultural Education and Communication*  
Dissertation: Leader Courage when Addressing Problem Behaviors in Agricultural Fraternities  
Dissertation Chair: N. L. Stedman
Nicholas David Cavallaro
Major: Agricultural and Biological Engineering
Dissertation: Laser Carbonized Biosensors for Point of Use Detection of Listeria monocytogenes
Dissertation Chair: E. McLamore

Mehmet Celepkolu
Major: Computer Science
Dissertation: Computational Dialogue Analysis and Visualizations to Empower Children to Reflect on Their Collaborative Dialogue
Dissertation Chair: K. Boyer

Subodha Charles
Major: Computer Science
Dissertation: Design of Secure and Trustworthy Network-On-Chip Architectures
Dissertation Chair: P. K. Mishra

Lisha Chen
Major: Design, Construction and Planning
Dissertation: Integration of Terrestrial Laser Scanning and Close-Range Photogrammetry for Documenting Built Heritage
Dissertation Chair: R. R. Issa

Pingjun Chen
Major: Biomedical Engineering
Dissertation: Thyroid Nodule Frozen Section Whole Slide Image Diagnosis with Deep Representation
Dissertation Chair: C. E. Schmidt
Dissertation Co-chair: P. D. Gader

Jessica L. Chitwood-Brown
Major: Horticultural Sciences
Minor: Plant Pathology
Dissertation: Improving Resistance to Fusarium Wilt Race 3 of Tomato (Solanum lycopersicum)
Dissertation Chair: S. F. Hutton

Hyunjun Choe
Major: Chemistry
Dissertation: Uncovering and Improving the Substrate Range of Serine Palmitoyltransferase
Dissertation Chair: J. D. Stewart

Sreeja Chowdhury
Major: Electrical and Computer Engineering
Dissertation: Counterfeit Detection Methodologies for Analog, Mixed Signal, and Reconfigurable Circuits
Dissertation Chair: D. J. Forte

Hung-Wen Chung
Major: Civil Engineering
Dissertation: Effects of Reduced Paste Volume on Portland Limestone Cement Concrete
Dissertation Chair: M. Tia

Peter McNeil Chutcharavan
Major: Geology
Dissertation: Ice Sheet Histories and Sea-Level Change during the Last Interglacial and Termination I Inferred from Fossil Corals: An Interdisciplinary Approach
Dissertation Chair: E. E. Martin

Marissa Carmae Ciesla
Major: Medical Sciences—Neuroscience
Dissertation: Serotonergic Innervation of Respiratory and Non-Respiratory Motor Nuclei after Cervical Spinal Cord Injury
Dissertation Chair: G. S. Mitchell
Dissertation Co-chair: E. J. Gonzalez-Rothi
Lauren Anne Cirino  
Major: Entomology and Nematology  
Dissertation: Consequences of Environmental Heterogeneity on Reproductive Output in the Leaf-footed Cactus Bug, *Narnia femorata* (Hemiptera: Coreidae)  
Dissertation Chair: C. W. Miller

Kyle Austin Clavier  
Major: Environmental Engineering Sciences  
Dissertation: Advancing the Beneficial Use of Waste Incineration Residues through Technical Evaluation of Policy Drivers and Application as a Cement Kiln Feed  
Dissertation Chair: T. G. Townsend

Leah Corinne Cobb Lee  
Major: Horticultural Sciences—Environmental Horticulture  
Dissertation: Interactions between Stress, Competition, and Clonal Diversity of *Juncus roemerianus* (Scheele) Populations along the Florida Gulf Coast  
Dissertation Chair: C. R. Adams

Samantha W. Coberly  
Major: Anthropology  
Dissertation: Broken Hearts and Broken Ribs: An Examination of Gunshot Wounds to the Neck and Torso  
Dissertation Chair: J. Krigbaum

Conrad R. Cole  
Major: Mechanical Engineering  
Dissertation: Thermodynamic Analysis of Oxygen Vacancy Formation Reaction in Nonstoichiometric Oxides for Solar Energy Conversion and Storage  
Dissertation Chair: D. W. Hahn  
Dissertation Co-chair: C. Taylor

Raquel Framil Concepcion  
Major: School Psychology  
Dissertation: Critical Events which Contribute to the Evolution of Teacher Candidates' Professional Identity  
Dissertation Chair: T. M. Smith-Bonahue

Binyamin Cooper  
Major: Business Administration—Management  
Dissertation: Exploring Workplace Remedies to Buffer Rudeness' Negative Outcomes  
Dissertation Chair: A. Erez

Bryan Lawrence Danson  
Major: Fisheries and Aquatic Sciences  
Dissertation: Spawning Characteristics and Juvenile Development of Two Species of Popular Loricariidae Catfishes, *Otocinclus vittatus* and *Panaqolus maccus*  
Dissertation Chair: C. L. Ohs

Thi Nguyet Minh Dao  
Major: Plant Pathology  
Dissertation: Exploiting *Citrus tristeza virus* Intraviral Interactome to Study Virus Pathogenicity and Plant-Virus Interactions  
Dissertation Chair: S. Y. Folimonova

Laura Das Neves Patterson Rosa  
Major: Animal Sciences  
Dissertation: Leveraging Omics to Unravel Complex Health Conditions in the Horse  
Dissertation Chair: S. A. Brooks

Miriam Evelyn Dennis  
Major: Aerospace Engineering  
Dissertation: Computational Method for Optimal Guidance and Control with Application to Low-Altitude Skid-to-Turn Vehicle  
Dissertation Chair: A. Rao
Stephanie Ann Dhuman Giron  
Major: Sociology  
Dissertation: Fusions and Fault-Lines: Puerto Rican Experiences in a Florida Community  
Dissertation Chair: N. Vargas

Adrian Diaz  
Major: Aerospace Engineering  
Dissertation: A Concurrent Atomistic-Continuum Method for Massively Parallel Simulation of Non-Equilibrium Solids  
Dissertation Chair: Y. Chen

Alec F. Dinnin  
Major: Political Science  
Dissertation: Democracy and Disorientation: José Ortega y Gasset's Post-Imperial Liberalism  
Dissertation Chair: D. O’Neill  
Dissertation Co-chair: S. Klein

Christopher Aaron Discenza  
Major: Coastal and Oceanographic Engineering  
Dissertation: Wave Turbulence of Edge Waves  
Dissertation Chair: A. A. Sheremet

Brittney Nicole Dixon  
Major: Public Health  
Dissertation: The Association between the Built Environment and Intervention-Related Weight Loss Outcomes for Rural Adults with Obesity  
Dissertation Chair: K. M. Ross

Erica E. Dolinting  
Major: Health and Human Performance  
Dissertation: Appeals on Giving and Information Sharing Behaviors in Charity Events: The Roles of Trust Propensity and Elevation  
Dissertation Chair: Y. J. Ko

Ting Dong  
Major: Mechanical Engineering  
Dissertation: Practical Application of Structural Health Monitoring to Aircraft Maintenance, Prognostics and Design Modification  
Dissertation Chair: N. H. Kim

Theodore Tzvetanov Drashansky  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: Bcl11b in the Control of Regulatory T and Mucosal Associated Invariant T Cell Programs  
Dissertation Chair: D. Avram

Alexandros Dritsoulas  
Major: Entomology and Nematology  
Dissertation: The Occurrence of Entomopathogenic Nematodes and their Natural Enemies in Greek Citrus Orchards  
Dissertation Chair: L. W. Duncan

Lisa G. Duffy  
Major: Anthropology  
Dissertation: Using Residue Analysis to Explore Ancient Maya Recipes and Food-Processing Technology  
Dissertation Chair: K. F. Emery

Katie M. Dunleavy  
Major: Chemistry  
Dissertation: Probing Conformational Dynamics and Hydration Properties of IA3, an Intrinsically Disordered Protein  
Dissertation Chair: G. E. Fanucci
Allison Laurel Durland Donahou  
Major: **Interdisciplinary Ecology**  
Dissertation: Effects of Domestication on the Guppy *Poecilia reticulata* with Implications for Invasiveness  
Dissertation Chair: J. E. Hill

Kyle A. Dyson  
Major: **Medical Sciences—Immunology and Microbiology**  
Dissertation: Towards Effective Immunotherapy for Medulloblastoma  
Dissertation Chair: D. Mitchell

Chandra Earl  
Major: **Genetics and Genomics**  
Dissertation: Tools for Biodiversity Analyses Using Natural History Collections and Repositories: Data Mining, Machine Learning and Phylodiversity  
Dissertation Chair: R. P. Guralnick  
Dissertation Co-chair: A. Kawahara

Ricardo Eiris Pereira  
Major: **Design, Construction and Planning**  
Dissertation: iVisit: Using 360-Degree Interactive Digital Sites to Practice Problem-Solving and Collaboration within Complex Spatiotemporal Contexts  
Dissertation Chair: M. Gheisari  
Dissertation Co-chair: R. R. Issa

Amy Lynn Elliott  
Major: **Epidemiology**  
Dissertation: Racial/Ethnic and Area Deprivation Disparities in the Juvenile Justice Drug and Alcohol Use Services Cascade  
Dissertation Chair: L. B. Cottler

Sarah V. Ellison  
Major: **Materials Science and Engineering**  
Dissertation: Establishing the Fundamentals of Tissue Manufacturing  
Dissertation Chair: T. E. Angelini

Jessica W. England  
Major: **Counseling Psychology**  
Dissertation: Connecting Marginalization and Economic Constraints with Academic and Career Development in First-Generation Students: A Qualitative Study  
Dissertation Chair: R. D. Duffy

Kaitlyn F. Erhardt  
Major: **Psychology**  
Dissertation: Children's Perspectives of Diverse Family Structures  
Dissertation Chair: M. J. Farrar

Peixin Fan  
Major: **Animal Sciences**  
Dissertation: Unravelling the Host and Environmental Effects on Gut Microbiota and Its Impact on Animal Growth and Gut Resistome  
Dissertation Chair: K. C. Jeong

Yingkai Fang  
Major: **Food and Resource Economics**  
Dissertation: Three Essays on Sustainable Fisheries Management: Can Market-Based Approaches Make a Difference?  
Dissertation Chair: F. Asche

Janet E. Finlayson  
Major: **Anthropology**  
Dissertation: The Anatomical Variation of Corresponding Joint Surface Congruency and Its Utility for the Sorting of Commingled Human Remains  
Dissertation Chair: J. Krigbaum
Daniel Fisher
Major: Psychology
Dissertation: Early Childhood Executive Function in the Democratic Republic of the Congo
Dissertation Chair: D. Kertes

Tiffany Leigh Fisher
Major: Special Education
Minor: Research and Evaluation Methodology
Dissertation Chair: P. T. Sindelar

Alinka Leila Földesi-Freeman
Major: Nursing Sciences
Dissertation: HIV-Related Stigma and Medication Adherence: A Rural-Urban-Suburban Comparison Using Secondary Data from a Florida Cohort Survey
Dissertation Chair: J. R. Stacciarini

Farhaan Fowze
Major: Electrical and Computer Engineering
Dissertation: Domain Informed Firmware Analysis for Internet of Things (IoT) Security
Dissertation Chair: T. Yavuz

Ian Reynolds Frazier
Major: Psychology
Dissertation: Trust-Related Decision Making and Aging
Dissertation Chair: N. C. Ebner

Amanda N. Friend
Major: Anthropology
Dissertation: Florida Caribbean Migrant Deaths: A Multi-Isotope Approach to Detection
Dissertation Chair: J. Krigbaum

Tessa Marie Frohe
Major: Health and Human Performance
Dissertation: Attention Training on Smartphones (ATS) Study
Dissertation Chair: R. F. Leeman

Michele Lisa Fullarton
Major: Materials Science and Engineering
Dissertation: Thermodynamics and Charged Defects in Nuclear Alloys and Semiconductor Materials from First-Principles Calculations
Dissertation Chair: S. R. Phillpot

Kareem Ahmed Galal
Major: Pharmaceutical Sciences—Medicinal Chemistry
Dissertation: Synthesis and Biological Evaluation of Optimized Analogues of Benzyl Piperidine Based Neuropeptide FF Receptor Ligands
Dissertation Chair: C. R. McCurdy

Madeline Benson Gangnes
Major: English
Dissertation: Thinking Periodically: Late-Victorian Serialized Fiction and the Digital Archive
Dissertation Chair: T. A. Harpold

Ming Gao
Major: Chemical Engineering
Dissertation: A Mathematical Model for Electrochemical Impedance Response of Continuous Glucose Sensor
Dissertation Chair: M. E. Orazem
Yujing Gao
Major: Agricultural and Biological Engineering
Dissertation: Quantification of Prediction Uncertainty of Rice Simulation Models: Using Rice Phenology Prediction as the Example
Dissertation Chair: G. Hoogenboom

Mariana Eloisa Garcia Ascolani
Major: Animal Sciences
Dissertation: Evaluation of Nutritional Strategies to Mitigate Enteric Methane Emissions from Beef Cattle Consuming High-Fiber Diets
Dissertation Chair: N. DiLorenzo

Drake Mitchel Ginter Garner
Major: Plant Molecular and Cellular Biology
Dissertation: Understanding How Environmental Treatments Affect Floral Volatiles, Investigating Possible Commercial Applications, and Bringing Modern Science into Education
Dissertation Chair: T. A. Colquhoun
Dissertation Co-chair: K. M. Folta

Fabio Garofalo Sasahara
Major: Civil Engineering
Dissertation: Evaluation of Queue Spillback on Freeway Ramp Bottlenecks
Dissertation Chair: A. Elefteriadou

Marlene Evelyn Garzona
Major: School Psychology
Dissertation: Predictors of Service Utilization among College Students with Disordered Eating
Dissertation Chair: D. J. Beaulieu

Tamal Ghosh
Major: Statistics
Dissertation: On Some Contributions to Loss Robustness and Small Area Estimation
Dissertation Chair: M. Ghosh
Dissertation Co-chair: K. Khare

Nicole Marie Gibson
Major: School Psychology
Dissertation: Stability of Social-Emotional Universal Screening Scores and Classes of Functioning across the Transition to Middle School
Dissertation Chair: D. J. Beaulieu
Dissertation Co-chair: J. D. Splett

Kacey Lee Gilbert
Major: School Psychology
Dissertation: Equivalency of the Traditional and Q-Interactive Administration Formats of the WISC-V: Results of an Independent Study
Dissertation Chair: J. H. Kranzler

Melissa Sarah Gluck
Major: Counseling Psychology
Dissertation: Does Adult Attachment Style Predict Intimacy with a Person with Dark Triad Personality Traits
Dissertation Chair: M. Heesacker

Kissel J. Goldman
Major: Psychology
Dissertation: Similar and Dissimilar Competing Responses in the Treatment of Tics: An Analysis of Efficacy, Interference with Ongoing Activity, and Social Acceptability
Dissertation Chair: I. G. De Leon
Demián Fernando Gómez Damiano  
Major: **Forest Resources and Conservation**  
Dissertation: Invasive Bark and Ambrosia Beetles, Preparing for the Future  
Dissertation Chair: J. Hulcr

Melissa Gonzalez  
Major: **School Psychology**  
Dissertation: Lived Experiences of the Diagnostic Process and Symptom Interpretation among Latino Parents with a Child with Autism Spectrum Disorder  
Dissertation Chair: T. M. Smith-Bonahue

Eliza Lee Gordon  
Major: **Psychology—Clinical and Health Psychology**  
Dissertation: Longitudinal Changes in Food Addiction Symptoms, Problem Food Consumption, and Body Weight among Adults in a Behavioral Weight Loss Program  
Dissertation Chair: M. G. Perri

Harian M. Gough  
Major: **Zoology**  
Dissertation: Evolution of Anti-Bat Strategies in Tiger Beetles  
Dissertation Chair: A. Kawahara

Timothy A. Gowan  
Major: **Wildlife Ecology and Conservation**  
Minor: **Fisheries and Aquatic Sciences**  
Dissertation Chair: W. E. Pine III  
Dissertation Co-chair: J. Martin

Nicolette Marie Grasley-Boy  
Major: **Special Education**  
Minor: **Research and Evaluation Methodology**  
Dissertation: A Conceptual Replication of Targeted Professional Development to Increase Teachers’ Behavior Specific Praise  
Dissertation Chair: N. A. Gage

Tyler L. Grimes  
Major: **Biostatistics**  
Dissertation: Some Contributions to the Differential Network Analysis of -Omics Data  
Dissertation Chair: S. Datta

Aishwarya Gurumurthy  
Major: **Genetics and Genomics**  
Dissertation: The Role of Enhancer RNA and Integrator in Locus Control Region Mediated Regulation of Beta Globin Gene Expression  
Dissertation Chair: J. Bungert

Andrew Giles Guzick  
Major: **Psychology—Clinical and Health Psychology**  
Dissertation: Expectations of Distress during Exposure and Response Prevention for Children and Adolescents with Obsessive-Compulsive Disorder  
Dissertation Chair: J. P. McNamara  
Dissertation Co-chair: D. Janicke

Andrea Elizabeth Hall  
Major: **Mass Communication**  
Dissertation: Celebrity Media: Exploring How Interest and Engagement with Celebrities Influences Critical Evaluation of Feminine Stereotypes among Emerging Adult Women  
Dissertation Chair: W. M. Wanta
Yu Han  
Major: Design, Construction and Planning  
Dissertation: Coastal Flooding Risk Evaluation and Adaptation under Sea Level Rise  
Dissertation Chair: Z. Peng

Tyler James Hatchel  
Major: Counseling Psychology  
Dissertation: Suicidal Thoughts and Behaviors among LGBTQ Youth: Meta-Analyses and Systematic Review  
Dissertation Chair: D. Espelage

Kirsten A. Hecht  
Major: Interdisciplinary Ecology  
Dissertation: A Mixed-Methods Investigation of Public Engagement Activities by Herpetologists  
Dissertation Chair: K. A. Stofer  
Dissertation Co-chair: M. A. Nickerson

Lauren Michael Henry  
Major: Criminology, Law, and Society  
Dissertation: Prosecutorial Sexual Assault Case Declination in Indian Country: A Legal Theory Consideration  
Dissertation Chair: L. M. Lanza Kaduce

Grant Haydock Hernandez  
Major: Computer Engineering  
Dissertation: Leveraging Domain Knowledge to Enable and Scale Firmware Security Testing  
Dissertation Chair: K. Butler

Floyd W. Hilty III  
Major: Materials Science and Engineering  
Dissertation: Microstructural Impact on the Thermal Conductivity of Materials  
Dissertation Chair: M. Tonks

Katie Rose Hooker  
Major: Wildlife Ecology and Conservation  
Dissertation: Factors Influencing Two Sympatric Primary Consumer Species  
Dissertation Chair: R. A. McCleery

Tamzidul Hoque  
Major: Electrical and Computer Engineering  
Dissertation: IP Trust Assurance through Design and Runtime Solutions  
Dissertation Chair: S. Bhunia

Zachary M. Houck  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Concussion Profiles: Criteria, Prevalence, Risk Factors, and Association with Cognitive Functioning  
Dissertation Chair: R. M. Bauer  
Dissertation Co-chair: W. M. Perlstein

Tony Harvey Hughes  
Major: Entomology and Nematology  
Dissertation: Ground-Dwelling Ant (Hymenoptera: Formicidae) Diversity and Functional Composition in Relation to Vegetation and Habitat Quality of Protected Longleaf Pine Forests in Florida Sandhills  
Dissertation Chair: P. G. Koehler

Joonghyun Hwang  
Major: Food and Resource Economics  
Dissertation: Revealed and Stated Preference Methods to Value Natural Resources: Applications of Travel Cost and Contingent Valuation Methods  
Dissertation Chair: X. Bi  
Dissertation Co-chair: Z. Gao
Maira Irigaray  
Major: Geography  
Dissertation: Indigenous Resistance within Cycles of Contention in the Amazon Rainforest and the Struggle for Social Justice: The Ipereğ Ayû Movement of the Munduruku People  
Dissertation Chair: C. S. Simmons

Arjun Iyer  
Major: Psychology  
Dissertation: Connecting the Constructs: The Relationship between Theory of Mind, Language, and Moral Development  
Dissertation Chair: M. J. Farrar

Johanna Ruth Jantzen  
Major: Botany  
Dissertation: Evolution of Neotropical Tibouchina sensu stricto (Melastomataceae)  
Dissertation Chair: P. S. Soltis  
Dissertation Co-chair: D. E. Soltis

David Mirabedini Jaramillo  
Major: Agronomy  
Dissertation: Nutrient Cycling, Greenhouse Gas Emissions, and Water Footprint in Grass or Grass-Legume Mixed Grazing Systems  
Dissertation Chair: J. C. Dubeux  
Dissertation Co-chair: N. DiLorenzo

Xinyi Jiang  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation: The Cascade of Hepatitis C Virus Care among Individuals with a Substance Use Disorder  
Dissertation Chair: H. Park

Hailey A. Johnson  
Major: Geology  
Minor: Curriculum and Instruction  
Minor: Electrical and Computer Engineering  
Dissertation: Reusable Geoscientific Software Design and Applications in Coastal Morphology Research and Education  
Dissertation Chair: P. N. Adams  
Dissertation Co-chair: J. A. Fortes

Andrew S. Jones  
Major: Chemical Engineering  
Dissertation: Doped Rare-Earth Oxides for the Oxidative Coupling of Methane  
Dissertation Chair: H. E. Hagelin Weaver

Rachel Keil  
Major: Aerospace Engineering  
Dissertation Chair: A. Rao

Kelly Lee Kelly  
Major: Mass Communication  
Dissertation Chair: W. M. Wanta

Roozbeh Ketabi  
Major: Computer Engineering  
Dissertation: Enabling Urban-Scale Simulation, Similarity, Matching, and Forecasting Applications Using Spatio-Temporal Analysis of Vehicular Mobility  
Dissertation Chair: A. A. Helmy
Jahangir Khan  
Major: Agronomy  
Dissertation: Deciphering the Genetic Architecture of Spike Fertility, Spike Harvest Index and Complex Physiological Mechanisms to Increase Harvest Index, Yield and Prediction Accuracy in US Soft Wheat under High and Moderate Stress Environments  
Dissertation Chair: M. A. Babar

Dooyoung Kim  
Major: Electrical and Computer Engineering  
Dissertation: Analysis of Conjugate Lightning-Induced Electron Precipitation Events Using the VLF Remote Sensing Method  
Dissertation Chair: R. C. Moore

Ja Young Kim  
Major: Communication Sciences and Disorders  
Dissertation: Primary Site of Constriction during the Compression Phase of Cough in Healthy Young Adults  
Dissertation Chair: K. W. Hegland

Kwanmok Kim  
Major: Interdisciplinary Ecology  
Dissertation: How Does Structural Complexity Affect Species Composition?  
Dissertation Chair: P. C. Frederick

Lily Kirk  
Major: Interdisciplinary Ecology  
Dissertation: Metabolism in Subtropical Lowland Rivers  
Dissertation Chair: M. J. Cohen

Ryan William Klein  
Major: Horticultural Sciences  
Dissertation: Validating Tree Risk Assessments: The Impact of Risk Perception, Professional Experience, and Industry Accreditation  
Dissertation Chair: A. K. Koeseer  
Dissertation Co-chair: G. M. Hansen De Chapman

Emily J. Koller  
Major: Medical Sciences—Neuroscience  
Dissertation: Investigating How Tau Alters the Brain in Alzheimer’s Amyloidosis Mouse Models and Wild Type Mice  
Dissertation Chair: P. Chakrabarty  
Dissertation Co-chair: J. M. Lewis

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

Abhishek Kumar  
Major: Physics  
Dissertation: Dynamical and Transport Properties of Certain Correlated Electron Systems  
Dissertation Chair: D. Maslov

Chankyu Lee  
Major: Design, Construction and Planning  
Dissertation: Integration of Building Information Modeling (BIM) and 3D Printing for Rationalization of Free-Form Construction  
Dissertation Chair: R. R. Issa

Kangjae Lee  
Major: Mechanical Engineering  
Dissertation: A Laser-Based Heating System Coupled with in-operando Raman Spectroscopy for Studying Solar Thermochemical Redox Cycles of Ceria and LSM Perovskites  
Dissertation Chair: J. Scheffe
Kyulim Lee  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation Chair: R. A. Burne Jr.

Minji Lee  
Major: Statistics  
Dissertation: A Bayesian Approach to Envelopes  
Dissertation Chair: Z. Su

Sangyoul Lee  
Major: Food and Resource Economics  
Dissertation: The Unintended Consequences of Environmental Regulation and Voluntary Pollution Prevention Program: Substitution, Leakage, and Spillovers  
Dissertation Chair: X. Bi

Shuzhan Li  
Major: Curriculum and Instruction  
Dissertation: Rural Mainstream Elementary Teacher Identity in Teaching English Language Learners  
Dissertation Chair: M. R. Coady

Yang Li  
Major: Mechanical Engineering  
Dissertation: A Multiscale Simulation Study of PbTe-PbSe Heterostructures from Growth to Defect Formation to Phonon Transport  
Dissertation Chair: Y. Chen

Jisok Lim  
Major: Health and Human Performance  
Dissertation: Influence of Female Sex Hormones on the Acute Vascular Effects of Aerobic Exercise in Young Premenopausal Women  
Dissertation Chair: D. D. Christou

Carly N. Logan  
Major: Psychology  
Dissertation: Regulators of Nucleus Accumbens Core Glutamate Efflux and the Reinstatement of Cocaine-Seeking  
Dissertation Chair: L. Knackstedt

Jasmine Lopez  
Major: Horticultural Sciences  
Dissertation Chair: S. F. Hutton

Joy E. Losee  
Major: Psychology  
Dissertation: Examining the Role of Individual Differences in the Threat Response Process  
Dissertation Chair: G. D. Webster

Clayton Cory Lowe  
Major: Criminology, Law, and Society  
Dissertation: Moral Communities in Chicago: Examining the Relationship between Family and Community Religiousness and Youth Substance Use and Delinquency  
Dissertation Chair: C. L. Gibson  
Dissertation Co-chair: A. A. Fagan

Yu Lu  
Major: Materials Science and Engineering  
Dissertation: Understanding the Microstructure Evolution and Mechanical Property Degradation of Thermally Aged and Neutron Irradiated Duplex Stainless Steels  
Dissertation Chair: Y. Yang
Feiya Luo
Major: Curriculum and Instruction
Dissertation: Exploring Elementary Students' Computational Thinking Leveraging Affordances of Learning Trajectories
Dissertation Chair: P. Antonenko
Dissertation Co-chair: M. Israel

Ke Luo
Major: Materials Science and Engineering
Dissertation: Shockwave Propagation and High Strain Rate Loading of Hydrogels via Molecular Dynamics Simulation
Dissertation Chair: D. Spearot

Shangru Lyu
Major: Medical Sciences—Neuroscience
Dissertation: Characterization of Mouse Models: Phenotypes with Implications on Restless Legs Syndrome
Dissertation Chair: Y. Li

Mhairi Katriona MacLean
Major: Biomedical Engineering
Dissertation: Biomechanics of Walking with Mechanical Assistance: From a Robotic Exoskeleton or Partial Bodyweight Support
Dissertation Chair: D. P. Ferris

Katherine Maslak Madson
Major: Design, Construction and Planning
Dissertation: Taxonomy of Flexible Manufacturing Facility Design and Comparative Valuation through a Real Options Analysis
Dissertation Chair: B. W. Franz

Victoria E. Makal
Major: Medical Sciences—Biochemistry and Molecular Biology
Dissertation: Biophysical Characterization of AAV2-Based Capsid Mutants Exhibiting Increased Retinal Transduction following Intravitreal Injection and Quantification of Aggregation Prevention as a Function of Vector Formulation
Dissertation Chair: S. E. Boye

Hoda Manafian
Major: Health and Human Performance
Dissertation: Agritourism Development: Definition, Preferences, and Spatial Distribution in Florida
Dissertation Chair: A. M. Almeyda Zambrano

Jagadeesh Nagendra Manda
Major: Chemistry
Dissertation: Enantioselective Synthesis of Chiral Biaryls & the Synthesis of Spirastrellolide A Analogues, Small Molecule Inhibitors and Prodrugs
Dissertation Chair: A. Aponick

Zachary Lawrence Mannes
Major: Psychology—Clinical and Health Psychology
Dissertation: The Effect of Pain on Depressive Symptoms, Opioid Use, and Health-Related Quality of Life among Retired National Football League Athletes: A nuanced Examination of Pain Intensity, Catastrophizing, Acceptance, and Interference
Dissertation Chair: N. Ennis

Felicien Masanga Maisha
Major: Anthropology
Dissertation: Exploring Manhood, Masculinities and the Roles of Men Regarding Pregnancy and Childbirth in a Humanitarianized War Zone of Eastern Democratic Republic of Congo
Dissertation Chair: A. E. Strong
Dissertation Co-chair: C. J. Mulligan
Casey J. McDonald
Major: Mass Communication
Dissertation: Hearing the Organizational Human Voice: A Proposed Theoretical Model of Conversational Human Voice And Perceived Trustworthiness
Dissertation Chair: T. A. Kelleher

Lucas Glen McEachron
Major: Interdisciplinary Ecology
Dissertation: Reef Fish Spatial Distributions throughout the Florida Keys in the Context of Matrix Effects, Trophic Dynamics, and Complementary Modeling Techniques
Dissertation Chair: R. J. Fletcher Jr.
Dissertation Co-chair: M. S. Allen

Alexander J. McGhee
Major: Mechanical Engineering
Dissertation: In Situ Spatiotemporal Detection of Cytokine Production within 3D Cell Culture
Dissertation Chair: W. G. Sawyer

Alicia Rae McGrew
Major: Interdisciplinary Ecology
Dissertation: Taxonomic, Phylogenetic, and Size-Based Approaches to Characterizing Aquatic Community Structure
Dissertation Chair: B. H. Baiser

Nina Veronica Medyk
Major: Counseling and Counselor Education
Dissertation: Exploring the Effects of a Group Theraplay Intervention among Adolescents in a Disciplinary Alternative Education Program
Dissertation Chair: S. L. Smith

Daniel C. Melear
Major: Counseling and Counselor Education
Dissertation: A Grounded Theory of How Couple Counselors Understand Apology and Adaptive Shame in Relationship Repair with Couples Facing Infidelity
Dissertation Chair: S. L. Smith

Guanhong Miao
Major: Biostatistics
Dissertation: Techniques for Privacy-Preserving Data Collection and Analysis
Dissertation Chair: S. S. Wu

Moses Roderick Jawanza Mike
Major: Agricultural Education and Communication
Dissertation: Disaster Management, Communication Strategies, and Challenges to Resilience during Tropical Storm Karen: The Story of Trinidad Extension
Dissertation Chair: R. W. Telg

Stephanie Michelle Mintz
Major: Criminology, Law, and Society
Dissertation Chair: L. M. Lanza Kaduce

Tiffany Lynn Mohr
Major: Mass Communication
Dissertation: Exploring Relationships of Interest Group Strategic Communication and Agenda Building
Dissertation Chair: S. K. Kiousis

Marissa Selena Molinar II
Major: Anthropology
Dissertation: Drawing the World: Coso Range Rock Art as a Gendered Performance of Cosmology, Community and Social Memory
Dissertation Chair: K. E. Sassaman Jr.
Christina Monachino
Major:  School Psychology
Dissertation:  Profiles, Transition Patterns, and Descriptive Characteristics of Peer Victimization across the Middle School Transition
Dissertation Chair:  J. D. Splett
Dissertation Co-chair:  T. M. Smith-Bonahue

Emily Victoria Moore
Major:  Public Health
Dissertation:  Improving Nutrition in Children under Five in Burkina Faso: A One Health Approach
Dissertation Chair:  S. L. McKune

Rachel Ann Moore
Major:  Microbiology and Cell Science
Dissertation:  Emission Sources, Atmospheric Effects, and Deposition of Microbial Aerosols and Ice Nucleating Particles
Dissertation Chair:  B. C. Christner

Victoria Lorese Morgan
Major:  Agricultural and Biological Engineering
Dissertation:  Data-Driven Decision Support by Coupling Nanotechnology, Public Health Risk Models, and Indigenous Knowledge in Rural Colombia
Dissertation Chair:  E. McLamore
Dissertation Co-chair:  G. A. Kiker

Samuel L. Morris
Major:  Psychology
Dissertation:  Assessing and Improving the Sociability of Children with Autism Spectrum Disorder
Dissertation Chair:  T. R. Vollmer

Fezile Prudence Mtsetfwa
Major:  Interdisciplinary Ecology
Dissertation:  Understanding Impacts of Climate and Land-Use Changes on Keystone Savanna Tree Species Distributions
Dissertation Chair:  R. A. McCleery

Gregory Nicholas Muller
Major:  School Psychology
Dissertation:  The Relationship between Obsessive-Compulsive Disorder, Five Factor Traits, and Religiosity-Spirituality in 18-44-Year-Olds
Dissertation Chair:  D. J. Beaulieu

Aravinda Munasinghe
Major:  Chemistry
Dissertation:  Polymers' Effects on Structure and Dynamics of Proteins upon Conjugation, including their Effect toward the Microenvironment of the Protein
Dissertation Chair:  C. M. Colina

Matthew Nicholas Musselwhite
Major:  Veterinary Medical Sciences
Dissertation:  Central and Peripheral Modulation of Reflex Tracheobronchial Cough in the Cat
Dissertation Chair:  D. C. Bolser

Kelly Calder Muzyczka
Major:  Anthropology
Dissertation:  Understanding Racial Disparities within Total Knee Replacements
Dissertation Chair:  C. McCarty

Andre A. Naranjo
Major:  Botany
Dissertation:  Understanding the Evolution of Narrow Endemics: The Case of the Scrub Mint Clade (Lamiaceae)
Dissertation Chair:  P. S. Soltis
Dissertation Co-chair:  D. E. Soltis
Laura Estefania Navia  
Major: School Psychology  
Dissertation: Caregiver Reports of Diabetes-Related Distress and Family Conflict in Relation to Disease Duration  
Dissertation Chair: T. M. Smith-Bonahue

Mallory D. Netz  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Role of Food Allergy Management and Caregiver Distress in Caregiver-Provider Communication  
Dissertation Chair: D. A. Fedele

Hanh Thi Nguyen  
Major: Soil and Water Sciences  
Dissertation: Characterization of Microbial Communities in Soil and Water Column of Constructed Wetlands: The Everglades Stormwater Treatment Area-2 as a Case Example  
Dissertation Chair: J. Meyer  
Dissertation Co-chair: R. K. Reddy

Yu Niu  
Major: Health and Human Performance  
Dissertation: An Investigation of Factors Influencing Later Life Tourism Participation: A Life Course Perspective  
Dissertation Chair: H. J. Gibson

Nwakaego Ugomma Adaku Nmezi  
Major: Counseling Psychology  
Dissertation: Associations of Severity of Depression Symptoms, Perceived Stress, and Acculturation with Cardiovascular Health among African Immigrants Living in the United States  
Dissertation Chair: C. M. Tucker

Jerald D. Noble  
Major: Plant Molecular and Cellular Biology  
Dissertation: Alternative Splicing Dynamics in Diverse Plant Populations  
Dissertation Chair: W. B. Barbazuk  
Dissertation Co-chair: M. Kirst

Shirin Noei  
Major: Civil Engineering  
Dissertation: Longitudinal Control in Traffic Microsimulation  
Dissertation Chair: X. Zhao  
Dissertation Co-chair: C. D. Crane III

Abigail S. Novak  
Major: Criminology, Law, and Society  
Dissertation: Exclusionary Discipline across the Life-Course: An Age-Graded Examination of the School-To-Prison Pipeline  
Dissertation Chair: A. A. Fagan

Seth Timothy Nydam  
Major: Aerospace Engineering  
Dissertation Chair: J. Conklin

Deirdre Margaret O’Shea  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Prediction of Response to Behavioral Interventions with MRI Based Biomarkers in Mild Cognitive Impairment  
Dissertation Chair: G. E. Smith

Junho Oh  
Major: Business Administration—Finance  
Dissertation: Price Discovery in the Private Bond Market  
Dissertation Chair: M. J. Flannery
Joseph Olufemi Olopade  
Major: Design, Construction and Planning  
Dissertation: Qualitative Comparative Analysis of Causal Pathways to Successful Construction Cross-Functional Teams  
Dissertation Chair: B. W. Franz

Kathryn L. Olsen  
Major: Chemistry  
Dissertation: Catalytic Enantioselective Synthesis of Minimally Differentiated Chiral Amines  
Dissertation Chair: A. Aponick

Aleksandra Ita Olszewskas  
Major: Curriculum and Instruction  
Dissertation: Counter-Stories from Poland: Identities and Language Identities of Adolescent Refugee-Background Students  
Dissertation Chair: M. R. Coady

Enrique Orozco López  
Major: Agricultural and Biological Engineering  
Dissertation: Subsurface Preferential Flow and Transport in Riparian Buffers  
Dissertation Chair: R. Munoz-Carpena  
Dissertation Co-chair: B. Gao

Brian C. Orr  
Major: Communication Sciences and Disorders  
Dissertation: Differential Recruitment of Cognitive Processes as a Function of Variations in Text Difficulty, Response Format, and Question Type  
Dissertation Chair: L. J. Altmann

Billy A. Palmer Jr.  
Major: Counseling Psychology  
Dissertation: Unexplored Aspects of Gambling Disorder Stigma  
Dissertation Chair: M. Heesacker

Xiaoshu Pan  
Major: Chemistry  
Dissertation: Aptamer Engineering for Enhanced Delivery of Functional Proteins and Biomarker Analysis in Cancer Therapy  
Dissertation Chair: R. A. Butcher

Babu Ram Panthi  
Major: Entomology and Nematology  
Dissertation: Ecology, Behavior, and Management of Scirtothrips dorsalis Hood in Florida Strawberry and Blueberry  
Dissertation Chair: O. E. Liburd  
Dissertation Co-chair: S. Lahiri

Maria Papaioannou  
Major: Classical Studies  
Dissertation: Epigram and Cult: A New Study of the Rock-Cut Precinct of Artemidorus at Thera  
Dissertation Chair: R. S. Wagman

John Yongchae Park  
Major: Botany  
Dissertation: Quantifying Leaf Phenology of Tropical Forest Canopy Trees and Species from UAV Images and Its Relationship to Plant Functional Traits  
Dissertation Chair: J. W. Lichstein

Casey Parker  
Major: Entomology and Nematology  
Dissertation: Dynamics of Insecticide Susceptibility Status in Florida Aedes aegypti (Linnaeus) and Aedes albopictus (Skuse) Populations and Evaluation of Mosquito Education Campaigns  
Dissertation Chair: C. R. Connelly  
Dissertation Co-chair: B. D. Siegfried
Anthony J. Pastore
Major: Chemistry
Dissertation: Investigation for Electron Transfer and Optimal Decarboxylase Activity of Oxalate Decarboxylase
Dissertation Chair: A. Angerhofer

Pornpamol Pattamanont
Major: Animal Sciences
Dissertation: Economic Optimization of Dry Period Length to Maximize Profitability of an Adjacent Lactation at Cow and Herd Level
Dissertation Chair: A. De Vries

Christopher J. Patton
Major: Computer Science
Dissertation: Interpretation of Provable Security for Cryptographic Practice
Dissertation Chair: T. Shrimpton

Anirudra Paul
Major: Chemistry
Dissertation: Development of Methods for the C–H Functionalization of Cyclic Amines
Dissertation Chair: D. Seidel

Joshua Thomas Paul
Major: Materials Science and Engineering
Dissertation: Utilization of High-Throughput Techniques for Materials Discovery and Characterization
Dissertation Chair: R. Hennig

Percy A. Peralta
Major: Interdisciplinary Ecology
Dissertation: What Incentivizes Eco-Friendly Coffee Practices in the Peruvian Tropical Andes?: Socioeconomic and Environmental Sustainability of Smallholder Coffee Production in the Satipo Province, Perú
Dissertation Chair: K. A. Kainer
Dissertation Co-chair: C. M. Tucker

Victor J. Perez Jr.
Major: Geology
Minor: Science Education
Minor: Zoology
Dissertation: Florida’s Chondrichthyan Fossil Record (Eocene—Pleistocene)
Dissertation Chair: B. J. MacFadden

Giorgi Pertaia
Major: Industrial and Systems Engineering
Dissertation: Applications of Conditional Value at Risk Norm and Buffered Probability in Risk Management
Dissertation Chair: S. Uryasev

Robyn Elaine Pescatore
Major: Pharmaceutical Sciences—Medicinal Chemistry
Dissertation: Macro cyclic Tetrapeptides as Potential Prostate Cancer Therapeutics
Dissertation Chair: J. V. Aldrich

Svetlana Petrova
Major: Business Administration—Finance
Dissertation: Essays in Fintech: Cybersecurity Breaches, Corporate Responses, and Investment Behaviors
Dissertation Chair: A. Naranjo

Sara Ann Phelps
Major: Soil and Water Sciences
Dissertation: Critical Zone Processes and Water Quality in an Urbanized Watershed
Dissertation Chair: T. Z. Osborne
Daniel Pimentel
Major: Mass Communication
Dissertation: If I Become the Masses I Will Act: VR Animal Embodiment and Psychic Numbing
Dissertation Chair: S. Kalyanaraman

Jerald B. Pinson
Major: Botany
Dissertation: The Separation of Generations: Biology and Biogeography of Long-Lived Sporophyteless Fern Gametophytes
Dissertation Chair: E. Sessa

Christopher Scott Poitevien
Major: School Psychology
Dissertation: Parental Knowledge of Individual Education Plans and Section 504 Student Supports for Disabilities
Dissertation Chair: D. J. Beaulieu
Dissertation Co-chair: J. H. Kranzler

Caroline Lois Poli
Major: Interdisciplinary Ecology
Dissertation: Validating Connectivity Estimates against Actual Movement
Dissertation Chair: R. J. Fletcher Jr.

Keerati Ponpetch
Major: Public Health
Dissertation: Environmental Determinants and Spatial Distribution of Schistosomiasis in Ethiopia
Dissertation Chair: S. Liang

Brianna Belén Posadas
Major: Human-Centered Computing
Dissertation: Crowdsourcing Ground Truth Data Collection for Precision Agriculture Using a Citizen Science Mobile Application
Dissertation Chair: J. E. Gilbert

Patricia Prade
Major: Entomology and Nematology
Dissertation: The Biological Control of Brazilian Peppertree in Florida, USA
Dissertation Chair: C. R. Minteer-Killian

Julianne L. Price
Major: Psychology
Dissertation: Hair Cortisol Trajectories from Pre-Treatment to Early Abstinence in Alcohol Use Disorder: A Correlate of Cognitive Recovery
Dissertation Chair: S. J. Nixon

Niels Olduvai Proctor
Major: Forest Resources and Conservation
Dissertation: Assessing the Use and Benefits of Self-Directed Retrieval Practice in the Authentic Context of an Undergraduate Course
Dissertation Chair: M. C. Monroe
Dissertation Co-chair: P. Antonenko

Daisy Joan Tan Pua
Major: Special Education
Minor: Research and Evaluation Methodology
Dissertation: Further Validation of the Preservice Observation Instrument for Special Education Using Rasch Model and Rater Satisfaction
Dissertation Chair: M. T. Brownell
Sheryl E. Quail  
Major:  Forest Resources and Conservation  
Minor:  Geography  
Dissertation:  REDD, Sustainable Agricultural Intensification, and Land Cover Change Modeling: Analyzing Tradeoffs and Synergies at a REDD Pilot Project in Kilosa District, Tanzania  
Dissertation Chair:  G. Barnes  
Dissertation Co-chair:  B. A. Child

Nathan A. Quails  
Major:  Medical Sciences—Medical Physics  
Dissertation:  Investigating Patient Skin and Eye Lens Radiation Dose during Endovascular Neurosurgery Procedures  
Dissertation Chair:  L. N. Rill  
Dissertation Co-chair:  M. M. Arreola

Sourav Raha  
Major:  Physics  
Dissertation:  String Bits at Finite Temperature  
Dissertation Chair:  C. B. Thorn III

Shalaunda Monet Reeves  
Major:  Curriculum and Instruction  
Dissertation:  Unpacking the Experience: Beliefs and Conceptions of Undergraduate Science Students with Virtual Laboratories  
Dissertation Chair:  K. J. Crippen

Katy Lynn Robinson  
Major:  Mass Communication  
Dissertation:  Says Who? A Qualitative Study of the Relationship between Employee Voice and Strategic Internal Communication  
Dissertation Chair:  L. Men  
Dissertation Co-chair:  S. K. Kiousis

Raele D. Robison  
Major:  Rehabilitation Science  
Dissertation:  Lingual Physiologic Reserve Homeostenosis and Bulbar Function in Individuals with Amyotrophic Lateral Sclerosis  
Dissertation Chair:  E. K. Plowman

Richard P. Rode  
Major:  Mechanical Engineering  
Dissertation:  Design and Evaluation of Bilayer Graphene Oxide Membranes in Biological Applications  
Dissertation Chair:  S. Moghaddam

Kayla Briette Rodney  
Major:  English  
Dissertation Chair:  D. W. King

Victoria Amparo Rodriguez  
Major:  Counseling Psychology  
Dissertation:  Factors Associated with Cervical Cancer Screening Adherence in a Sample of Hispanic/Latina Women and Latinx Individuals with Cervices  
Dissertation Chair:  C. M. Tucker

Barukh Ben Rohde  
Major:  Electrical and Computer Engineering  
Dissertation:  Motivations and Outcomes of an Undergraduate Teaching Assistantship Program  
Dissertation Chair:  W. R. Eisenstadt  
Dissertation Co-chair:  E. P. Douglas
Cody A. Ruben  
Major:  Electrical and Computer Engineering  
Dissertation Chair:  A. S. Bretas

Vanessa Yvette Rubio  
Major:  Chemistry  
Dissertation:  Mass Spectrometry Strategies and Applications for High-Efficiency Global Metabolomics  
Dissertation Chair:  R. A. Yost

Jordan Tyler Russell  
Major:  Microbiology and Cell Science  
Dissertation:  Implications of Early Life Microbiome Alterations Associated with Host Genetics and Environmental Factors  
Dissertation Chair:  E. Triplett

Max H. Russo  
Major:  Pharmaceutical Sciences—Pharmacodynamics  
Dissertation:  Molecular Mechanisms Associated with Adverse Effects of the Environmentally Persistent Organochlorine Pesticide Dieldrin  
Dissertation Chair:  B. Liu

Shriram Sadashivajois  
Major:  Physics  
Dissertation:  A Search for Relic Axions and Their Frequency Modulation  
Dissertation Chair:  N. S. Sullivan  
Dissertation Co-chair:  D. B. Tanner

Ravneet Kaur Sandhu  
Major:  Horticultural Sciences  
Dissertation:  Relaycropping an Alternative Technique in Vegetables and Strawberry Production for Growers in Florida for Maximizing Economic Returns  
Dissertation Chair:  N. S. Boyd

Jay Claus Santos  
Major:  Health and Human Performance  
Dissertation:  Antecedents and Consequences of College Athletes’ Time Demands  
Dissertation Chair:  M. Sagas

Arman Sargolzaei  
Major:  Mechanical Engineering  
Dissertation:  Control of Multi-Agent Systems in Presence of Cyber-attack  
Dissertation Chair:  C. D. Crane III  
Dissertation Co-chair:  W. E. Dixon

Aishariya Sarkar  
Major:  Computer Engineering  
Dissertation:  Discovering Signatures in Uncertain and Heterogeneous Biological Datasets  
Dissertation Chair:  T. Kahveci

Haley Marie Sater  
Major:  Horticultural Sciences  
Dissertation:  Understanding Blueberry Aroma Origin, Inheritance, and its Sensory Perception by Consumers  
Dissertation Chair:  P. R. Munoz

Tracey B. Schafer  
Major:  Soil and Water Sciences  
Dissertation:  Hurricane Impacts on Water Quality and Dissolved Organic Matter Cycling along an Aquatic Continuum  
Dissertation Chair:  T. Z. Osborne  
Dissertation Co-chair:  R. K. Reddy
Bryan Robert Schlink  
Major: Biomedical Engineering  
Dissertation: Measuring Spatial Lower Limb Myoelectric Activity during Human Locomotion with High-Density Electromyography  
Dissertation Chair: D. P. Ferris

Abigail C. Schmitt  
Major: Health and Human Performance  
Dissertation: Gait and Balance Impairments in Patients with Parkinson's Disease and Osteoarthritis  
Dissertation Chair: C. J. Hass

Bonnie Michelle Scott  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Motivation in Parkinson's Disease: Parsing the Temporal Dynamics of Anticipatory and Consummatory Stages of Reward Processing  
Dissertation Chair: D. Bowers

Dillon T. Seroski  
Major: Biomedical Engineering  
Dissertation: Design and Characterization of Co-Assembling Peptides as Supramolecular Biomaterials  
Dissertation Chair: G. Hudalla

Faisal Shahzad  
Major: Horticultural Sciences  
Dissertation: Role of Mineral Nutrition in Citrus Tree Health, Fruit Quality, and Postharvest Storage Life of HLB-Affected Mandarin Cultivars  
Dissertation Chair: T. Vashisth  
Dissertation Co-chair: J. K. Brecht

Yangming Shi  
Major: Civil Engineering  
Dissertation: A Working Memory Investigation of Immersive Visualization Technologies on Construction Task Performance  
Dissertation Chair: J. Du

Prasanth Shyamsundar  
Major: Physics  
Dissertation Chair: K. T. Matchev

Cindy Lee Sigler  
Major: Horticultural Sciences—Environmental Horticulture  
Dissertation: Characterizing the Floral Volatile Pathways and Transcriptome of Caladium bicolor  
Dissertation Chair: T. A. Colquhoun

Kenneth Michael Silverman  
Major: Classical Studies  
Dissertation: The Mind of Homer: A Study in Homeric Physiology and Thought  
Dissertation Chair: R. S. Wagman

Shruti Siva Kumar  
Major: Biomedical Engineering  
Dissertation: Identifying Early Markers of Subclinical Cardiac and Pulmonary Radiation Toxicity in Breast Cancer  
Dissertation Chair: W. G. O'Dell

James G. Solari  
Major: Counseling and Counselor Education  
Dissertation: Therapy with Disordered Gamers: An Interpretive Phenomenological Analysis of Counselor Experience  
Dissertation Chair: S. C. Echevarria-Doan
Rebecca Jeanne Solch  
Major:  *Nutritional Sciences*  
Minor:  *Agricultural Education and Communication*  
Dissertation:  *Probiotics on Stress-Associated Gastrointestinal Function in University Students*  
Dissertation Chair:  R. J. Henken

Kristy Elizabeth Spear  
Major:  *Curriculum and Instruction*  
Dissertation:  *Untangling the Web: A Mixed-Methods Study of High-Achieving Students’ Beliefs About Online Courses*  
Dissertation Chair:  P. Antonenko

Lindsay J. Spiers  
Major:  *Fisheries and Aquatic Sciences*  
Dissertation:  *The Role of Herbivores in Shaping Coral Reef Macroalgal Communities: Differing Effects of Herbivorous Fish and the Long Spined Sea Urchin Diadema antillarum*  
Dissertation Chair:  T. K. Frazer

Arjun Srivathsa  
Major:  *Interdisciplinary Ecology*  
Dissertation:  *Saving the Underdogs: A Multi-Scale Approach to Inform Strategies for Conserving the Endangered Asiatic Wild Dog*  
Dissertation Chair:  M. K. Oli

Preeyanan Sriwanayos  
Major:  *Veterinary Medical Sciences*  
Dissertation:  *Genomic Characterization, Molecular Epidemiology, and Disease Potential Tiger Frog Viruses Pose to Aquatic Animal Industries*  
Dissertation Chair:  T. B. Waltzek  
Dissertation Co-chair:  J. E. Hill

Theodor L. Stansly  
Major:  *Agronomy*  
Dissertation:  *Response of Brassica carinata to Biotic and Abiotic Stress through Glucosinolate Synthesis and Distribution*  
Dissertation Chair:  D. L. Wright  
Dissertation Co-chair:  I. M. Small

Lijuan Su  
Major:  *Health and Human Performance*  
Dissertation:  *Utilizing Big Data Analytics to Develop Effective Crisis Communications in the Tourism and Hospitality Industry*  
Dissertation Chair:  S. O. Stepchenkova

Ariana D. Suárez Martínez  
Major:  *Biomedical Engineering*  
Dissertation:  *Development of an Ex Vivo Mouse Tissue Culture Model for Investigating Cell Dynamics during Microvascular Remodeling*  
Dissertation Chair:  W. L. Murfee III

Ratna G. Suthar  
Major:  *Agricultural and Biological Engineering*  
Dissertation:  *Modeling Postharvest Losses in the Florida Tomato System*  
Dissertation Chair:  J. Judge

Thomas William Sutor  
Major:  *Rehabilitation Science*  
Dissertation:  *Neuromodulation to Improve Breathing and Trunk Function in Humans after Spinal Cord Injury*  
Dissertation Chair:  E. J. Fox

Adrian Marie Svingos  
Major:  *Psychology—Clinical and Health Psychology*  
Dissertation:  *Predicting Very Long-Term Outcomes after Severe Traumatic Brain Injury*  
Dissertation Chair:  S. C. Heaton  
Dissertation Co-chair:  R. M. Bauer
Justin Shane Tauscher  
Major: Counseling and Counselor Education  
Dissertation: Preferences for Technology Based and In-Person Substance Use Disorder Treatment: A Discrete Choice Experiment  
Dissertation Chair: M. K. DePue

Greenberry Bush Taylor III  
Major: Mass Communication  
Dissertation: Exploring the Health Implications of Mindfulness In Mobile Applications for Emerging Adults  
Dissertation Chair: C. L. Fisher  
Dissertation Co-chair: C. Bylund-Lincoln

Lin Teng  
Major: Animal Sciences  
Dissertation: Genetic Diversity of Naturally Occurring ESBL/AmpC-Producing Pathogens in Beef Cattle  
Dissertation Chair: K. C. Jeong

Travis Michael Thomas  
Major: Wildlife Ecology and Conservation  
Dissertation: Evaluation of Habitat Characteristics and Threats to the Diamondback Terrapin (Malaclemys terrapin) in the Greater Suwannee Estuary  
Dissertation Chair: S. A. Johnson  
Dissertation Co-chair: M. S. Allen

Jennifer Timmers  
Major: Agronomy  
Dissertation: Developing Climate Resilient Annual Ryegrass for the Southeastern U.S.A.  
Dissertation Chair: J. E. Erickson  
Dissertation Co-chair: E. F. Rios

Aleksandra Tomic  
Major: Linguistics  
Dissertation: Codeswitching as a Beneficial Cue in the Processing of Subsequent Speech: Evidence from Eyetracking Studies on Emotionality and Prediction  
Dissertation Chair: J. R. Valdes Kroff

Legna M. Torres Garcia  
Major: Coastal and Oceanographic Engineering  
Dissertation: Hydrodynamics and Sediment Mobility in Degraded Barrier Coral Reefs  
Dissertation Chair: M. Olabarrieta Lizaso

Erin Ruth Trifilio  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Measuring Apathy in Parkinson Disease: Development of a Novel Apathy Scale Using a Laboratory Validation Measure  
Dissertation Chair: D. Bowers

Elise Michelle Turner  
Major: Psychology—Clinical and Health Psychology  
Dissertation: The Role of Sleep-Disordered Breathing and Oxygen Desaturation in Neurocognitive Functioning among Youth with Sickle Cell Disease  
Dissertation Chair: D. A. Fedele  
Dissertation Co-chair: S. C. Heaton

Bradley James Udell  
Major: Wildlife Ecology and Conservation  
Dissertation: Monitoring, Predicting, and Analyzing Decisions for Invasive Species Management in Heterogeneous Landscapes  
Dissertation Chair: C. M. Romagosa  
Dissertation Co-chair: J. Martin
Chantel Monique Ulfig  
Major: Psychology—Clinical and Health Psychology  
Dissertation: Cognitive Behavioral Effects on Emotional Well-Being, Worry about Cancer Progression, Proinflammatory Cytokines, and Cancer Recurrence among Women with Confirmed Gynecologic Malignancies  
Dissertation Chair: D. B. Pereira

Tanaya Ravindra Vaidya  
Major: Pharmaceutical Sciences—Pharmaceutics  
Dissertation: Multiscale and Translational Quantitative Systems-Based Modeling and Simulation for Efficacy and Safety Assessment of Anti-Cancer Agents  
Dissertation Chair: A. N. Brown  
Dissertation Co-chair: J. B. Bulitta

Saskia A. van Wees  
Major: Political Science  
Dissertation: Status Seeking and Shades of Compliance with Global Environmental Norms: The Cases of China and India  
Dissertation Chair: B. B. Smith

Kyle Jude Michael Ventura  
Major: Materials Science and Engineering  
Dissertation: Thermodynamic Database Assisted Design and Experimental Evaluation of Novel Ni-Based Superalloys  
Dissertation Chair: G. E. Fuchs

Michael E. Vickers  
Major: Entomology and Nematology  
Dissertation: Colors Used as Signals during Foraging in Jumping Spiders (Salticidae)  
Dissertation Chair: L. A. Taylor

Achilles Vieira Neto  
Major: Animal Molecular and Cellular Biology  
Dissertation: Mineral Metabolism in Transition Dairy Cows: The Role of Acid-Base Status and Vitamin D Metabolites  
Dissertation Chair: J. E. Santos

Bo Wang  
Major: Mechanical Engineering  
Dissertation: Computational Models for Developing Design Criteria for Next Generation Electrodes for Li-ion and Na-ion Batteries  
Dissertation Chair: K. E. Aifantis

Hao Wang  
Major: Mechanical Engineering  
Dissertation: Numerical Simulation of Cryogenic Bubble Nucleation and Growth Dynamics, and Convective Cryogenic Quenching of a Pipe  
Dissertation Chair: J. N. Chung

Luyu Wang  
Major: Health and Human Performance  
Dissertation: Culture and Travel Experience in Natural Environments from Online User-Generated Content  
Dissertation Chair: A. M. Almeyda Zambrano

Xi Wang  
Major: Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy  
Dissertation: Utilization and Safety of Biologics for Pregnant Women with Inflammatory Bowel Diseases  
Dissertation Chair: A. G. Winterstein

Zhongkai Wang  
Major: Biostatistics  
Dissertation: Model-Based Standardization to Adjust for Confounding with Clustered Data  
Dissertation Chair: B. A. Brumback
Jennifer Lynn Warnick  
Major: Psychology—Clinical and Health Psychology  
Dissertation: An Experimental Manipulation Evaluating the Impact of Distress on Parental-Feeding Practices  
Dissertation Chair: D. Janicke

Hannah Leigh Warshowsky  
Major: Counseling Psychology  
Dissertation: Cliteracy for Him: Effectiveness of Bibliotherapy for Heterosexual Men's Sexual Functioning  
Dissertation Chair: L. Mintz

Jonathan Shane Welker  
Major: Mathematics  
Dissertation: An Immuno-Epidemiological Model of Canine Visceral Leishmaniasis Structured by Time-Since-Infection  
Dissertation Chair: M. Martcheva

Elizabeth H. White Rose  
Major: Interdisciplinary Ecology  
Dissertation Chair: R. K. Boughton

Ryan Michael Wilhelmi  
Major: Geology  
Dissertation: Evolution and Exposure of Precambrian Basement along the Western Margin of the Wyoming Province  
Dissertation Chair: D. A. Foster

Renessa S. Williams  
Major: Nursing Sciences  
Dissertation: The Impact of HIV-Related Stigma among Adults Living with HIV & Disability in Florida, 2015-2016  
Dissertation Chair: R. J. Lucero

Rua Mae Williams  
Major: Human-Centered Computing  
Dissertation: Metacogs: VR Toolkit for Executive Function Assessment and Metacognitive Strategy Development via Agent-Based Modeling  
Dissertation Chair: J. E. Gilbert

Kedon Kevin Willis  
Major: English  
Dissertation: A Wretched Body of Queers: Queer Failure as Utopian Critique in Contemporary Caribbean Literature  
Dissertation Chair: L. R. Rosenberg

Regina Renae Woloshun  
Major: Nutritional Sciences  
Dissertation: Select Amino Acids Enhance or Reduce Iron Absorption via DMT1 Trafficking for Treatment of Iron-Deficiency Anemia and Iron-Overload Disorders  
Dissertation Chair: J. F. Collins

Qianyan Wu  
Major: Food and Resource Economics  
Dissertation: Value Estimates for Natural Springs in Florida with Non-Market Valuation Methods through Consistent Use of Revealed and Stated Preference Data  
Dissertation Chair: X. Bi

Yao Xiao  
Major: Biomedical Engineering  
Dissertation: Deep Learning for Multimodal CT Image Quality Enhancement and Radiation Exposure Optimization  
Dissertation Chair: R. Fang
Xiaoping Xin
Major: Soil and Water Sciences
Dissertation: Development, Characterization and Evaluation of Polymeric Nanoparticles for Application in Agriculture
Dissertation Chair: Z. He
Dissertation Co-chair: J. Judy

Yu-Hua Xu
Major: Health and Human Performance
Minor: Geography
Dissertation: Planning for Spatial-Economic Resilience: Home-Sharing in Rural Florida
Dissertation Chair: L. Pennington

Zhengtao Xu
Major: Materials Science and Engineering
Dissertation Chair: J. Xue

Guang Yang
Major: Pharmaceutical Sciences—Clinical Pharmaceutical Sciences
Dissertation: Identification of Pharmacogenomic Markers of Bisphosphonates Induced Osteonecrosis of the Jaw
Dissertation Chair: Y. G. Whisler

Hongfen Yang
Major: Pharmaceutical Sciences—Medicinal Chemistry
Dissertation: Synthesis and Discovery of Halogenated Phenazines as Antibacterial and Biofilm-Eradicating Agents
Dissertation Chair: R. W. Huigens III

Lu You
Major: Biostatistics
Dissertation: Dynamic Disease Screening by Online Risk Monitoring
Dissertation Chair: P. Qiu

Kevin K. Yu
Major: Medical Sciences—Physiology and Functional Genomics
Dissertation: Exploring the Presence of Bacteria in the Fetus and Its Effects on Development
Dissertation Chair: C. E. Wood

Yifan Yu
Major: Chemical Engineering
Dissertation: Improving Lubricity of Contact Lenses by Surface Coating and Comfort Enhancers
Dissertation Chair: T. Lele
Dissertation Co-chair: A. Chauhan

Faxi Yuan
Major: Design, Construction and Planning
Dissertation: Investigating Disaster Resilience through Social Media
Dissertation Chair: R. Liu

Xiaoyong Yuan
Major: Computer Science
Dissertation: Security and Privacy Issues in Deep Learning
Dissertation Chair: D. Wu

Keke Zhai
Major: Computer Science
Dissertation: Hybrid Multicore Architecture Optimization for a Large-Scale Scientific Application
Dissertation Chair: S. Ranka
Hongping Zhang  
*Major:* Health and Human Performance  
*Dissertation:* Using Autobiographical Memory to Understand the Development of Pro-Environmental Behaviors and Global Citizenship in the Context of Study Abroad  
*Dissertation Chair:* H. J. Gibson

Lan Zhang  
*Major:* Electrical and Computer Engineering  
*Dissertation:* Connectivity Control and Optimization for Internet of Things Applications  
*Dissertation Chair:* Y. Fang

Shuaifang Zhang  
*Major:* Mechanical Engineering  
*Dissertation:* A Phase-Field Model Describing Fracture in Anisotropic Brittle Materials  
*Dissertation Chair:* M. Tonks

Yi Zhang  
*Major:* Design, Construction and Planning  
*Dissertation:* A Justice-Oriented Approach to Identify Priorities for Transportation Adaptation in Response to Sea Level Rise Induced Flooding  
*Dissertation Chair:* Z. Peng

Zexi Zheng  
*Major:* Mechanical Engineering  
*Dissertation:* Probing Phonon Thermal Transport Properties from Molecular Dynamics Simulations by Direct Mode Propagation Tracking  
*Dissertation Chair:* Y. Chen

Haocheng Zhou  
*Major:* Mechanical Engineering  
*Dissertation:* A MEMS-Based Five-Hole Probe with Optical Pressure Transducers  
*Dissertation Chair:* M. Sheplak

Jie Zhou  
*Major:* Nutritional Sciences  
*Dissertation:* Associations between the Wnt Signaling Pathway and Iron-Deficient Milk of Hephaestin Knockout Mouse Dams Underlies Hair Loss in Pups  
*Dissertation Chair:* C. D. Vulpe  
*Dissertation Co-chair:* J. F. Collins

Jue Zhou  
*Major:* Research and Evaluation Methodology  
*Minor:* Statistics  
*Dissertation:* A Comparison of Machine Learning Techniques to Handle Sparse Data in Item Response Theory Model Estimation  
*Dissertation Chair:* W. L. Leite  
*Dissertation Co-chair:* A. C. Manley

Wei Zhou  
*Major:* Medical Sciences—Biochemistry and Molecular Biology  
*Dissertation:* Biochemical, Biophysical, Structural and Cellular Studies of Protein-Ligand Interaction: Insights on Early Drug Discovery Targeting PRMT5 and TEAD2  
*Dissertation Chair:* C. Li

Qile Zhu  
*Major:* Computer Science  
*Dissertation:* Deep Representation Learning in Natural Language Processing  
*Dissertation Chair:* D. Wu

Rebecca Ann Zimler  
*Major:* Entomology and Nematology  
*Dissertation:* Emergence and Transmission Potential of Zika Virus by Invasive Mosquitoes from Florida and Puerto Rico  
*Dissertation Chair:* B. W. Alto
Arthur D. Zimmerman  
Major: Medical Sciences—Pharmacology and Therapeutics  
Dissertation: The Behavioral and Neuroanatomical Basis of GC-D-Dependent Odor Learning  
Dissertation Chair: S. D. Munger

Ashley Nicole Zuniga  
Major: Medical Sciences—Immunology and Microbiology  
Dissertation: An Emerging Role for Hectd3 in the Prevention of Inflammation and Malignancy in the Gut via Ubiquitination of Master Regulators of Innate Immunity  
Dissertation Chair: D. Avram

Doctor of Education

Kristi Suzanne Aponte  
Major: Educational Leadership  
Dissertation Chair: L. J. Searby

Rachael Elizabeth Elrod  
Major: Higher Education Administration  
Dissertation: "You Feel like You're Walking Blindly into It": The Experiences of Library Leaders and Academic Library Renovations  
Dissertation Chair: C. Haynes

Nicole Lettie Washington Micheau  
Major: Curriculum and Instruction  
Dissertation: Parent Engagement Using Information and Communication Technology in Elementary Title I Schools  
Dissertation Chair: A. D. Ritzhaupt

Willie Mae India White  
Major: Educational Leadership  
Dissertation: Understanding the Persistence of Take Stock in Children Scholarship Recipients  
Dissertation Chair: C. H. Redding

Sarah Pezdek Wike  
Major: Curriculum and Instruction  
Dissertation: A Mixed-Methods Study on the Student Perspective of Having Individual Access to Smartphones in the Classroom  
Dissertation Chair: K. M. Dawson
DOCTOR OF BUSINESS ADMINISTRATION
Erasmus Attah-Gyamfi Jr.  Shari Lynn Fowler  Gregory Robert Lewis
John S. Canzio  Kristen J. Freiburger  Carlos Luis Pascual Jr.
Michael A. Carrillo  Pete Garcia  Laurence J. Pino
Joel Russell Rennie Davis  Patrick L. Hobbs  Scott R Sanderson
James Kirby Easterling  Daren W. Jackson  Roxanne Y. Valles
James Bradley Fatzinger  Bradly N. Labrum  Warner G. Walker

DOCTOR OF PLANT MEDICINE
Alexander Michael Gannon  Morgan Grace Pinkerton  Benjamin David Waldo
Shari Lynn Fowler  Sage M. Thompson

PROFESSIONAL DEGREES
THE FREDRIC G. LEVIN COLLEGE OF LAW

Dean Laura A. Rosenbury

DOCTOR OF JURIDICAL SCIENCES IN TAXATION
Musaad Fahad S. Alwohaibi  Monica Rocha Victor De Oliveira

MASTER OF LAWS IN TAXATION
Naif Hadi Alyami  Brian Edward Miller  William Delaney Spencer-Hampton

MASTER OF LAWS IN U.S. LAW
Danielle Black

THE COLLEGE OF NURSING

Dean Anna M. McDaniel

DOCTOR OF NURSING PRACTICE
Alexis M. Dang  Kristin Renee Lapham  Courtney G. Perez
Cara Francesca DeMore  Claire A. Lewellen  Katherine Harper Prevatt
Emily Rae Goff  Leah Kathleen Lowe  Kari Layne Stokes
Jennifer Helene Guttery  Kari Ann Mattox  Rhett A. Thomas
Noreen Haq  Scott A. Mercado  Hannah N. Zinman
Sandra R. Pelaez-Munsey

THE COLLEGE OF PHARMACY

Dean Julie A. Johnson

DOCTOR OF PHARMACY
Eric Joseph Lee *  Caneel Bay Marrero  Robert Andrew Zagorsky
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.

Diplomas

Diplomas will be mailed to the graduate’s diploma mailing address in September 2020.
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 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.
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