

# Commencement

**UF** | UNIVERSITY *of*  
**FLORIDA**

## **SOCIAL MEDIA**

Whether you are a #UFGrad or you are here to celebrate a #UFGrad, we invite you to join the commencement conversation on social media. Select tweets will be featured on the video boards prior to and after the ceremony.

## **PHOTOGRAPHS**

The university requests that all commencement guests remain in their seats while taking photographs; no guests are permitted in the graduates' seating area. Photographs of the graduates as they cross the stage are available through companies that have contracts with the university. Color photographs are available from University Photography, PO Box 2454, Tuscaloosa, AL 35403-2454, 205-391-9500.

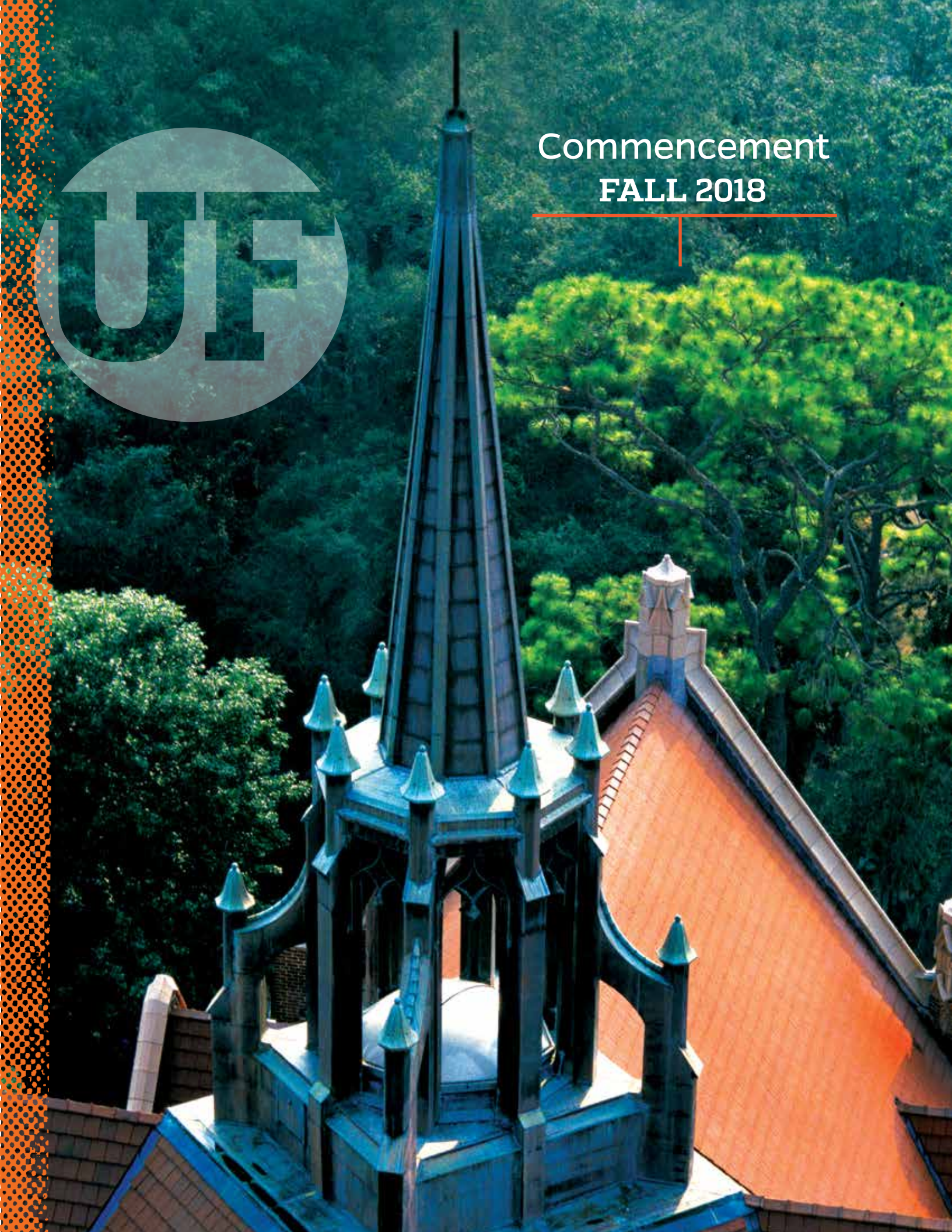
## **COMMENCEMENT PROGRAM**

Additional copies of this commencement program are available while supplies last at the UF Bookstore for a \$1 donation to the Machen Florida Opportunity Scholars program, which helps fund a UF education for low-income students who are first in their family to attend college. The commencement program can be ordered online with an additional charge for shipping and handling.

## **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  
FALL 2018



# Greetings from the President

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**O**n 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 2018.

Today's ceremony celebrates 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 advisor, 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 on 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 benefited 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

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### Dr. W. Kent Fuchs

Dr. Kent Fuchs became the 12<sup>th</sup> 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 credits divinity school with teaching him communication and community-building skills, and to balance his innately analytic perspective with a deep appreciation for human relationships. He also holds a Bachelor of Science in Engineering from Duke University.

Dr. Fuchs is married to Linda Moskeland Fuchs, an art historian whose scholarship centers on the sculpture of sarcophagi created in the first centuries of Christian art-making. Mrs. Fuchs has two master's degrees in art history, from the University of Chicago and Cornell, and a third in Biblical studies, from Trinity Evangelical Divinity School. 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

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## State Board of Education

**Pam Stewart**  
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**Wendy S. Link**  
**Edward A. Morton**  
**Jay S. Patel**  
**Frederic V. Salerno**  
**Norman D. Tripp**  
**Fernando J. Valverde**  
**Jalisa S. White**  
**Zach P. Zachariah**

## University of Florida Board of Trustees

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*Chair*

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*Vice Chair*

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**Rahul Patel**  
**Marsha D. Powers**  
**Jason J. Rosenberg**  
**Robert G. Stern**  
**Katherine Vogel Anderson**  
**Anita G. Zucker**

## President and Vice Presidents of the University

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*President*

**Joseph Glover, Ph.D.**  
*Provost and Senior Vice President - Academic Affairs*

**David R. Nelson, M.D.**  
*Interim Senior Vice President - Health Affairs*

**Jack Payne, Ph.D.**  
*Senior Vice President - Agriculture and Natural Resources*

**Charles E. Lane, D.P.A.**  
*Senior Vice President and Chief Operating Officer - Administration*

**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*

**Michael V. McKee, B.S.**  
*Vice President and Chief Financial Officer - Finance*

**Mark E. Kaplan, J.D.**  
*Vice President - Government and Community Relations*

**Jodi Gentry, M.A.**  
*Vice President - Human Resource Services*

**Amy M. Hass, J.D.**  
*Vice President - General Counsel*

**David Parrott, Ed.D.**  
*Vice President - Student Affairs*

**Thomas J. Mitchell, M.S.**  
*Vice President - Advancement*

**David Norton, Ph.D.**  
*Vice President - Research*

**Curtis Reynolds, M.B.A., M.S.E.E.**  
*Vice President - Business Affairs*

**Nancy Paton, M.S.**  
*Vice President for Strategic Communications and Marketing*

**Antonio Farias, M.F.A.**  
*Chief Diversity Officer*

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## Deans of the University

**R. Elaine Turner, Ph.D.**  
*College of Agricultural and Life Sciences*

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

**John Kraft, 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*

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*IFAS Extension*

**Jacqueline Burns, Ph.D.**  
*IFAS Research*

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*International Center*

**Diane H. McFarlin, B.S.**  
*College of Journalism and Communications*

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*Fredric G. Levin College of Law*

**David E. Richardson, Ph.D.**  
*College of Liberal Arts and Sciences*

**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.**  
*College of Pharmacy*

**Michael G. Perri, Ph.D.**  
*College of Public Health and Health Professions*

**James W. Lloyd, D.V.M., Ph.D.**  
*College of Veterinary Medicine*

**Judith C. Russell, M.S.**  
*University Libraries*

**Heather White, Ph.D.**  
*Dean of Students*

## COMMENCEMENT AGENDA – FRIDAY, DECEMBER 14, 2:00 p.m.

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Presiding	W. Kent Fuchs <i>President</i>
Processional	Gainesville Brass Quintet
National Anthem	Anthony Offerle Gainesville Brass Quintet
Welcome	W. Kent Fuchs
Introductions	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Awarding of Honorary Degree Presented by	Joseph Glover W. Kent Fuchs
Doctor of Music presented to	Stephen A. Stills Beverly Hills, CA
Commencement Address	Thomasenia Lott Adams <i>Professor and Associate Dean for Research and Faculty Development, College of Education</i>
Presenting Candidates for Doctoral Degrees	Joseph Glover
Conferring of Doctoral Degrees	Member, UF Board of Trustees
Closing Remarks	W. Kent Fuchs
Alma Mater	Anthony Offerle Gainesville Brass Quintet
Recessional and Postlude	Gainesville Brass Quintet



# Commencement Speaker

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## Thomasenia Lott Adams

*Professor and Associate Dean for Research and Faculty Development, College of Education*

Thomasenia Lott Adams is a professor of mathematics education and the associate dean for research and faculty development in the UF College of Education. She is energized by providing support and services to novice and experienced researchers who are pursuing external funding for their scholarships. She recognizes that the world of external funding is becoming increasingly competitive, so she expertly leads her team to help faculty build engaging, productive, and multidisciplinary efforts that further the college's mission of improving the lives of people across the spectrum of early childhood through adulthood. To demonstrate this model, Dr. Adams provided leadership for an interdisciplinary project concerning mathematics, science, and school counseling for which she and two colleagues were successful in securing funding from the National Science Foundation to study girls' positionality in mathematics and science as they transition to middle school.

As Dr. Adams embarks on her 25th year on UF's faculty, not only does she have external funding to her credit, but she has also written 10 books and more than 50 journal articles related to teaching and learning mathematics. One of her recent books, *Making Sense of Teaching Mathematics, Grades 3-5*, received the 2018 Teacher's Choice Award. In April 2018, she culminated her role as program chair of the annual conference of the National Council of Teachers of Mathematics, and she recently



accepted the invitation to become an associate editor of the National Council of Teachers of Mathematics' journal, *Mathematics Teacher: Learning and Teaching, PreK-12*. She is highly regarded by her peers in mathematics education, and she uses her influence to mentor future scholars, as evidenced by her cadre of doctoral graduates and collaborations that she has with mathematics educators across the nation.

As the mathematics program officer for the UF Lastinger Center for Learning, Dr. Adams contributes to the success of *Algebra Nation*, a platform designed to support students to pass the end-of-course exam for Algebra I, which is a requirement for high school graduation in the state of Florida. Through this and other collaborations, she continues to build a record of engagement and scholarship in her field.

# Honorary Degree – Doctor of Music

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## Stephen A. Stills

Stephen A. Stills is a singer, songwriter, philanthropist and Rock and Roll Hall of Famer whose legendary six-decade career traces its origins to Gainesville.

One of rock music's most enduring figures, Stills has had multiple solo works and been a part of four hugely influential groups – Manassas, Buffalo Springfield, Crosby, Stills & Nash, and Crosby, Stills, Nash & Young. He has been inducted into the Rock and Roll Hall of Fame twice for Buffalo Springfield and Crosby, Stills & Nash, is a member of the Songwriter's Hall of Fame, and is a BMI Music Icon.

As renowned for his instrumental virtuosity as for writing era-defining anthems including "For What It's Worth" and "Love The One You're With," Stills is ranked No. 28 on *Rolling Stone's* list of the 100 Greatest Guitarists of All Time, calling his acoustic picking on "Suite: Judy Blue Eyes" "a paragon of unplugged beauty." Three of his albums are among *Rolling Stone's* 500 Greatest Albums of All Time.

Stills lived in Gainesville during the 1950s when he attended J.J. Finley Elementary School and again in the early 1960s, when he attended Gainesville High School. The 1963 GHS yearbook shows that Stills was in the marching band, the chorus and played guitar in the group called The Accidental Trio. He remembers selling soft drinks in UF's stadium during football games.

Stills also briefly enrolled in UF in 1963 before leaving for New York City to try his hand at



performing. He donated generously toward the construction of what is now the George Steinbrenner Band Building, home to the Stephen Stills Rehearsal Room, in the College of the Arts' School of Music.

Stills rose to national and international fame with Buffalo Springfield, which formed in Los Angeles in 1966. He continues to tour and record. Stills finished his most recent tour with Judy Collins, following the release of their 2017 album *Stills & Collins*, in November.

Alongside music, Stills lends his support to a number of causes including this year's 5th Light Up The Blues Concert, held at the Dolby Theatre in Los Angeles. Hosted by Stills and his wife, Kristen, the concerts have been emceed by Jack Black, featured a variety of artists and raised over \$1.8 million for Autism Speaks' research and advocacy efforts.



2018 FALL

COMMENCEMENT



# GRADUATE SCHOOL

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HENRY T. FRIERSON, ASSOCIATE VICE PRESIDENT AND DEAN OF THE GRADUATE SCHOOL

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## DOCTOR OF PHILOSOPHY

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### **Alejandra Abril Guevara**

Major: *Plant Molecular and Cellular Biology*

Dissertation: Genetic Improvement of Cell Wall Composition and Flooding Tolerance of *Sorghum bicolor*

Dissertation Chair: W. Vermerris

### **Setyono Hari Adi**

Major: *Soil and Water Sciences*

Dissertation: Soil-Landscape Modeling for Agroecological Policy Development in the Developing Regions

Dissertation Chair: S. Grunwald

### **Nikunj Kumar Agrawal**

Major: *Biomedical Engineering*

Dissertation: Biomaterial Platforms Engineered for Controlled Release of Small Molecule Therapeutics in Spinal Cord Injury Applications

Dissertation Chair: C. E. Schmidt

### **Ahmed Ahmouda**

Major: *Forest Resources and Conservation*

Dissertation: Analyzing the Effect of Political and Natural Crises on Contribution Patterns to Crowd-Sourced Data Platforms and Social Media Activities

Dissertation Chair: H. H. Hochmair

### **Sahba Akhavan Niaki**

Major: *Statistics*

Dissertation: Personalization in Education and Text Data

Dissertation Chair: G. Michailidis

### **Umar Mohammadali Alabasi**

Major: *Rehabilitation Science*

Dissertation: Assessment of Disease Progression in Upper and Lower Extremity Muscles in Boys with Duchenne Muscular Dystrophy Using Magnetic Resonance Imaging/Spectroscopy and Clinical Outcome Measures

Dissertation Chair: K. H. Vandenborne

### **Abdullah A. Alalwan**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Assessment of the Use of Warfarin in Bariatric Surgery Patients

Dissertation Chair: A. G. Hartzema

### **Babak Alipour**

Major: *Computer Engineering*

Dissertation: Integrated Network Traffic-Mobility Analysis and Modeling Using Big Data

Dissertation Chair: A. A. Helmy

### **Latoya Lynn Allen**

Major: *Medical Sciences—Neuroscience*

Dissertation: Neurochemical and Neuroanatomical Plasticity in Spinal Respiratory Motor Neurons following Cervical Spinal Cord Injury and Intermittent Hypoxia

Dissertation Chair: G. S. Mitchell

### **Yaser A. Alsahafi**

Major: *Public Health*

Dissertation: Understanding Disease-Associated Oral Microbiota in Human: Genetic and Phylogenomic Approach

Dissertation Chair: A. S. Kane

Dissertation Co-chair: M. Salemi

**Punam Sita Dinesh Amratia**

Major: *Forest Resources and Conservation*

Dissertation: The Use of Bayesian Statistics for Fine-Scale Mapping of Malaria Risk in Ghana

Dissertation Chair: D. Ribeiro Do Valle

**Arash Andalib**

Major: *Electrical and Computer Engineering*

Dissertation: A Framework for Proportional Hand Prosthetic Control Using Motor Neuron Discharge Timings

Dissertation Chair: J. C. Principe

**Jeremy J. Anderson**

Major: *Electrical and Computer Engineering*

Dissertation: A Long-Term Average Cepstral Enhancement Technique to Improve Single Microphone Automatic Speech Recognition

Dissertation Chair: J. G. Harris

**Dorukhan Ardag**

Major: *Coastal and Oceanographic Engineering*

Dissertation: Improvements to Spectral Wave Models for Coupled Applications

Dissertation Chair: D. Resio

Dissertation Co-chair: A. A. Sheremet

**Nur Asbani**

Major: *Entomology and Nematology*

Dissertation: The Evaluation of Sugarcane Rust Mite as Potential Pest of Sugarcane

Dissertation Chair: G. S. Nuessly

**Lesley-Gail Megan Atkinson**

Major: *Anthropology*

Dissertation: Buréns, Cooking Pots and Water Jars: a Comparative Analysis of Jamaican Prehistory

Dissertation Chair: W. F. Keegan

**Alisheikh Adem Atta**

Major: *Soil and Water Sciences*

Minor: *Horticultural Sciences*

Dissertation: Citrus Nutrient Management on Huanglongbing (HLB, or Citrus Greening) Affected Citrus Groves on Florida Sandy Soils

Dissertation Chair: K. T. Morgan

**Rouaa M. Atyah**

Major: *Design, Construction and Planning*

Dissertation: The Effect of the Physical Environment Design on Teachers' Comfort in Prototype Public Schools in Saudi Arabia

Dissertation Chair: N. Park

**Hassan Azad**

Major: *Design, Construction and Planning*

Dissertation: Computer Modeling of Sound Diffusion and Scattering Coefficients and Their Influence on the Diffusivity and Acoustic Quality of Architectural Spaces

Dissertation Chair: G. W. Siebein

**Samuel Adeyinka Babatunde**

Major: *Civil Engineering*

Dissertation: Economic Feasibility Study of Prime Locations for Siting Offshore Wind Turbines

Dissertation Chair: F. T. Najafi

**Monami Banerjee**

Major: *Computer Science*

Dissertation: Statistical Analysis of Manifold-Valued Data: Efficient Algorithms Exploiting Robustness, Sparsity

Dissertation Chair: B. C. Vemuri

**Christopher Robert Barbey**

Major: *Plant Molecular and Cellular Biology*

Dissertation: Gene Discovery for Flavor and Disease Resistance in Cultivated Strawberry

Dissertation Chair: K. M. Folta

Dissertation Co-chair: V. M. Whitaker

**Alison Marie Barnard**

Major: *Rehabilitation Science*

Dissertation: Lower Extremity and Respiratory Muscle Magnetic Resonance Biomarkers in Duchenne Muscular Dystrophy: Relationships to Clinical Function and Effects of Genetic Modifiers

Dissertation Chair: K. H. Vandenberg

Dissertation Co-chair: G. A. Walter

**Matthew Ramon Bell**

Major: *Chemistry*

Dissertation: Infrared Ion Spectroscopy as a Tool for Drug and Small Molecule Analysis

Dissertation Chair: N. C. Polfer

**Leo Moreno Betthausen**

Major: *Mathematics*

Dissertation: Topological Reconstruction of Grayscale Digital Images

Dissertation Chair: P. Bubenik

**Luiz Bolfer**

Major: *Veterinary Medical Sciences*

Dissertation: The Role of Pyruvate Dehydrogenase Kinase 4 (PDK4) Gene Mutation in the Impairment of Metabolic Flexibility and Development of Dilated Cardiomyopathy in Doberman Pinchers

Dissertation Chair: A. H. Estrada

Dissertation Co-chair: C. A. Pacak

**David Clay Brice**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Innate Antiviral Defenses of Oral Epithelial Cells

Dissertation Chair: G. Diamond

**Terri Michele Brinegar**

Major: *Music*

Dissertation: The Recorded Sermons of Reverend Andrew (A. W.) Nix: Black Voices and the Creation of Modernized Tradition

Dissertation Chair: L. N. Crook

**Benjamin Ryan Burgen**

Major: *Anthropology*

Dissertation: Old Dreams, New Money, and Unfinished Houses: Economic Life in the Senegal River Valley Today

Dissertation Chair: A. Kane

**Sarah E. Burke**

Major: *Medical Sciences—Neuroscience*

Dissertation: Functional and Structural Mechanisms of Cognitive Fatigability as Targets for Diagnosis and Treatment

Dissertation Chair: M. Ding

Dissertation Co-chair: C. E. Price

**Larry E. Burrell II**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: The Association of Adolescent Perceived Peer Condom Use Norms and Sexual Health among Adult Men

Dissertation Chair: N. Ennis

Dissertation Co-chair: M. E. Robinson

**Zachary Ronald Dylan Thomas Bush**

Major: *Physics*

Dissertation: Coherent Detection of Ultra-Weak Electromagnetic Fields Using Optical Heterodyne Interferometry

Dissertation Chair: G. Mueller

**Earlesha Tanille Butler**

Major: *Mass Communication*

Dissertation: The Contemporary Black Press: Journalists Perceived Shared Professional Values, Newsroom Community Role, and Self-Empowerment

Dissertation Chair: B. E. Tripp

**Huzeyfe Çakmakci**

Major: *Counseling and Counselor Education*

Dissertation: Bullying Victimization as Mediator of the Relationship between Teachers' Unfair Treatment, Parents' Support and Sense of Belonging at School Using Structural Equation Modeling

Dissertation Chair: S. L. Smith

**Marlon Edgardo Carranza Zelaya**

Major: *Anthropology*

Dissertation: Homicide, Culture, and the Post-Coup Situation in Northwestern Honduras

Dissertation Chair: R. B. Kernaghan

**Farah María del Rocío Carrasco Rueda**

Major: *Interdisciplinary Ecology*

Dissertation: Land Use Change and Biodiversity: Understanding Patterns, Driving Mechanisms and Impacts of Mitigation

Dissertation Chair: B. A. Loiselle

**Choeeta Chakrabarti**

Major: *Anthropology*

Dissertation: Trump, the Alt-Right and Modern Populism in America

Dissertation Chair: C. McCarty

**Nalanda Chakraborty**

Major: *Communication Sciences and Disorders*

Dissertation: Factors Affecting Speech Production and Intelligibility in Individuals with Parkinson's Disease

Dissertation Chair: K. J. Logan

**Manu Chandran**

Major: *Electrical and Computer Engineering*

Dissertation: Application of Machine Learning Techniques in Point Cloud Generation and Point Cloud Object Classification

Dissertation Chair: D. Wu

**Chih-Chiang Michael Chang**

Major: *Mechanical Engineering*

Dissertation: Robotic Soft Matter 3D Printing System for Patient-Specific Neurosurgical Phantoms

Dissertation Chair: S. A. Banks

**Jaime Vicente Chavez Leon**

Major: *Agricultural and Biological Engineering*

Dissertation: From Firewood to Electricity: Analysis of Energy Transitions in Developing Countries with the Household Energy Resource Model

Dissertation Chair: G. A. Kiker

Dissertation Co-chair: E. McLamore

**Gaoli Chen**

Major: *Physics*

Dissertation: Aspects of Discrete Flavor Symmetries and String Bits

Dissertation Chair: P. Ramond

Dissertation Co-chair: C. B. Thorn III

**Hsi-Yuan Chen**

Major: *Mechanical Engineering*

Dissertation: A Switched Systems Framework for Nonlinear Dynamic Systems with Intermittent State Feedback

Dissertation Chair: W. E. Dixon

**Kangfu Chen**

Major: *Mechanical Engineering*

Dissertation: Flow and Interaction Patterns between Tumor Cells and Microfabricated Structures

Dissertation Chair: Z. H. Fan

**Andrew D. Chilton**

Major: *Physics*

Dissertation: Technology Development for the LISA Mission

Dissertation Chair: G. Mueller

**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

**Erica Meta Christensen**

Major: *Wildlife Ecology and Conservation*

Dissertation: Long-Term Dynamics of a Desert Rodent Community: Change Shaped by Climate and Competition

Dissertation Chair: S. K. Ernest

**Joseph Michael Collins**

Major: *Plant Molecular and Cellular Biology*

Dissertation: Analysis of the Topless Corepressor: Implications Regarding Complex Formation and Novel Interactions Occurring at the WD40-Repeats

Dissertation Chair: W. B. Gurley

Dissertation Co-chair: S. Chen

**Ashley Marie Compaan**

Major: *Materials Science and Engineering*

Dissertation: Innovative Material Solutions to Enable 3D Printing of Soft Biomedical Constructs and Engineering Polymers

Dissertation Chair: Y. Huang

**Leandro Gabriel Cordova**

Major: *Plant Pathology*

Dissertation: Validation and Optimization of a Decision Support System to Manage Fruit Rot Diseases of Strawberry in the Southeastern United States

Dissertation Chair: N. A. Peres Lauretti

**Paul E. Crittenden**

Major: *Mechanical Engineering*

Dissertation: Numerical and Theoretical Instability Analysis of Material Interfaces in Compressible, Radial Flow

Dissertation Chair: S. Balachandar

**Maritsa Cruz Munoz**

Major: *Microbiology and Cell Science*

Dissertation: Lifestyle and Culturability of the *Candidatus* Liberibacter Pathogens Using *Liberibacter crescens* as a Model

Dissertation Chair: E. Triplett

**Katrina Kayla Cuddy**

Major: *Botany*

Dissertation: Previously Unknown, Now Separated from the Family: Why a Protein Closely Related to Novel Actin Depolymerizing Factor Regulators Could Be Sent to the ER

Dissertation Chair: D. G. Oppenheimer

**Shuang Cui**

Major: *Nuclear Engineering Sciences*

Dissertation: Collimated X-Ray Non-Destructive Inspection System for Concrete Components

Dissertation Chair: J. E. Baciak

**Elizabeth Rose Currin**

Major: *Curriculum and Instruction*

Dissertation: Storied Stance: An Oral History of Long-Term Teacher Researchers in the Age of Accountability

Dissertation Chair: N. L. Dana

**Emily C. Dabe**

Major: *Medical Sciences—Neuroscience*

Dissertation: The Epigenomic Basis of Neuronal Identity

Dissertation Chair: L. L. Moroz

**Yuqiong Dai**

Major: *Chemistry*

Dissertation: Design, Synthesis, and Characterization of Stimuli-Responsive Polymers of Various Morphologies

Dissertation Chair: B. S. Sumerlin

**Swathi Dantuluri**

Major: *Microbiology and Cell Science*

Dissertation: AAA ATPase Cdc48a and Its Association with Ubiquitin-Like SAMP1 and DNA Repair in Archaea

Dissertation Chair: J. A. Maupin

**Ghadeer Khalid Dawwas**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Safety and Effectiveness of Anti-Platelet Therapy in Acute Coronary Syndrome Patients

Dissertation Chair: H. Park

**Amanda Desormeaux**

Major: *Interdisciplinary Ecology*

Dissertation: Landscape-Scale Nitrate Fluxes and Attenuation in Karst Springsheds

Dissertation Chair: J. W. Jawitz

**Nicholas DiGruttolo**

Major: *Forest Resources and Conservation*

Dissertation: Implications of Tidal Effects on Sea Level Rise Adaption Planning and Littoral Property Boundary

Determination: Focused on Bays and Tidal Creeks in Florida

Dissertation Chair: G. Barnes

**Haichuan Ding**

Major: *Electrical and Computer Engineering*

Dissertation: Beef up the Edge: Leveraging Vehicles for Data Transportation

Dissertation Chair: Y. Fang

**Dalila D'Ingeo**

Major: *Anthropology*

Dissertation: At the Bottom of the Food Chain. Experiences of Food Insecurity among African American Adolescents in Tallahassee, FL

Dissertation Chair: C. C. Gravlee IV

**David Allen Dreier**

Major: *Veterinary Medical Sciences*

Dissertation: Advancing Adverse Outcome Pathways for Mitochondrial Dysfunction and Multiple Stressors in Fish

Dissertation Chair: C. Martyniuk

Dissertation Co-chair: N. D. Denslow

**Leilei Duan**

Major: *Design, Construction and Planning*

Dissertation: Exploring Geodesign: Using Three-Dimensional Parametric Modeling Techniques in Conjunction with Two-Dimensional Land-Use Models to Better Visualize Future Growth

Dissertation Chair: P. D. Zwick

Dissertation Co-chair: I. Bejleri

**Jerone Dunbar**

Major: *Human-Centered Computing*

Dissertation: The Voice Based Arithmetic System (VBAS) Aimed at Helping Drowsy Drivers

Dissertation Chair: J. E. Gilbert

### **Charles Patrick Easterling**

Major: *Chemistry*

Dissertation: New Strategies for Accessing Macromolecular Reactive Intermediates in the Synthesis of Functional Polymer Materials

Dissertation Chair: G. E. Fanucci

### **Daniel J. Eizenga**

Major: *Political Science*

Dissertation: Managing Political Liberalization after Multiparty Elections: Regime Trajectories in Burkina Faso, Chad, and Senegal

Dissertation Chair: L. A. Villalon

### **Ahmed H. Fahmy**

Major: *Electrical and Computer Engineering*

Dissertation: Mixed-Signal IC Design for Interfacing with Peripheral Nervous System

Dissertation Chair: R. Bashirullah

Dissertation Co-chair: N. Maghari

### **Likui Feng**

Major: *Chemistry*

Dissertation: Biosynthesis and Mechanism of Natural Products in Nematodes

Dissertation Chair: R. A. Butcher

### **Maureen Patricia Fennessy**

Major: *Curriculum and Instruction*

Dissertation: Reading and Writing in Sixth Grade Science Classrooms

Dissertation Chair: Z. Fang

### **María Giselle Fernández**

Major: *Aerospace Engineering*

Dissertation: On the Quantification of the Particle Departure from Axisymmetry in Multiphase Cylindrical Detonation

Dissertation Chair: R. T. Haftka

Dissertation Co-chair: S. Balachandar

### **Claudia Friess**

Major: *Fisheries and Aquatic Sciences*

Dissertation: Assessing and Managing a Fishery under Moratorium: The Case of the Recovering Goliath Grouper (*Epinephelus itajara*) in Florida

Dissertation Chair: K. Lorenzen

Dissertation Co-chair: R. Ahrens

### **Joshua Jodhimani Gabriel**

Major: *Materials Science and Engineering*

Dissertation: Uncertainty Quantification of Material Properties Calculated with Density Functional Theory

Dissertation Chair: R. Hennig

### **Lorryny Galoro da Silva**

Major: *Animal Sciences*

Dissertation: Dual-Flow Continuous Culture System and MAC-T Cells Culture on the Study of Cattle Nutrition and Inflammatory Response

Dissertation Chair: A. Faciola

### **Hao Gan**

Major: *Agricultural and Biological Engineering*

Dissertation: An Autonomous Immature Green Citrus Fruit Yield Mapping System

Dissertation Chair: W. S. Lee

### **Jorge Luis Garcia**

Major: *Anthropology*

Dissertation: Dietary Social Equality or Inequality at La Tolita, a Complex Intercostal Society in Ecuador

Dissertation Chair: A. Oyuela-Caycedo

**Kristin Johnson Gardner**

Major: *Criminology, Law, and Society*

Dissertation: Examining the Impact of Transfer on Adult Recidivism over the Long Term: A Propensity Score Matching Approach

Dissertation Chair: L. M. Lanza Kaduce

**Nicolas Garraud**

Major: *Electrical and Computer Engineering*

Dissertation: Instrumentation for Characterizing the Rotational Dynamics of Magnetic Particles in Suspension

Dissertation Chair: D. P. Arnold

**Debolina Ghosh**

Major: *Counseling and Counselor Education*

Dissertation: Creativity in Cross-Cultural Supervision: A Grounded Theory Approach

Dissertation Chair: S. L. Smith

**Allison N. Goins**

Major: *Materials Science and Engineering*

Dissertation: Engineering a Biomimetic Scaffold for Small Diameter Blood Vessel Tissue Engineering

Dissertation Chair: J. Allen

**Tamara Goncalves Rezende Macieira**

Major: *Nursing Sciences*

Dissertation: Novel Use of Standardized Nursing Care Plan Data to Examine Nursing Care for Hospitalized Older Adults with Cognitive Impairment

Dissertation Chair: G. M. Keenan

**Sarah Jane Graves**

Major: *Forest Resources and Conservation*

Dissertation: Beyond Greenness: Hyperspectral Signals from Airborne Remote Sensing Data Capture Canopy Tree Growth Rates

Dissertation Chair: S. A. Bohlman

**David McCaskill Gray**

Major: *Electrical and Computer Engineering*

Dissertation: Classifier Training Set Augmentation by Warping Synthetic Data in a Subspace Manifold

Dissertation Chair: J. C. Principe

Dissertation Co-chair: J. G. Harris

**Taneshia Althea Greenidge**

Major: *Counseling and Counselor Education*

Dissertation: The Lived Experiences of African American College Women's Self-Esteem and the Impact of Racial Socialization

Dissertation Chair: M. K. DePue

**Christopher Robert Greulich**

Major: *Nuclear Engineering Sciences*

Dissertation: Radiography of Dry Cask Storage for Used Nuclear Fuel

Dissertation Chair: J. E. Baciak

**Mengyi Gu**

Major: *Entomology and Nematology*

Minor: *Plant Pathology*

Dissertation: Bermudagrass Root Rot Complexes Associated with Plant-Parasitic Nematodes and *Pythium* Species on Golf Courses in Florida

Dissertation Chair: W. T. Crow

**Jose Rafael Guarin Jr.**

Major: *Agricultural and Biological Engineering*

Dissertation: Improving Wheat Crop Model Simulations under Extreme Weather and Ozone Stress: Impacts on Food Security

Dissertation Chair: S. Asseng



**Hamed Hakim**

Major: *Design, Construction and Planning*

Dissertation: Economic Decision Analysis of Net Zero Energy K-12 Public Schools in Florida: Proposing a Net Zero Energy Decision Support System

Dissertation Chair: C. J. Kibert

**Changsok Han**

Major: *Electrical and Computer Engineering*

Dissertation: Continuous-Time Delta-Sigma Analog-to-Digital Converters with Multi-Purpose Quantizers

Dissertation Chair: N. Maghari

**Kanathy N. Haney**

Major: *Public Health*

Dissertation: Factors Associated with Successful Reintegration of Sex Trafficking Survivors: From a Public Health Perspective

Dissertation Chair: M. W. Hart

**Allen Ira Harkness III**

Major: *Nuclear Engineering Sciences*

Dissertation: Safeguards Approaches for Spent Nuclear Fuel in Dry Cask Storage

Dissertation Chair: P. Enqvist

**Theodore Hunter Harris**

Major: *Medical Sciences—Genetics*

Dissertation: The Role of *P2RX7* in the Hyper-Inflammatory Response of Localized Aggressive Periodontitis Patients

Dissertation Chair: L. M. Shaddox

Dissertation Co-chair: M. R. Wallace

**Shuai He**

Major: *Chemistry*

Dissertation: Exploiting Localized Surface Plasmon Resonance for Physical and Chemical Applications

Dissertation Chair: W. Wei

**William C. Hedderson**

Major: *Health and Human Performance*

Dissertation: The Effects of Propranolol on Acute Inflammatory Cytokines and Muscle Function following an Exercise-Induced Muscle Injury to the Shoulder in Individuals with a High Pain Sensitivity COMT Polymorphism

Dissertation Chair: P. A. Borsa

**Robert Raymond Henderson Jr.**

Major: *Psychology—Clinical and Health Psychology*

Dissertation: Alpha Power during Emotional Imagery: Associations with Psychopathology and the Startle Evoked Potential

Dissertation Chair: P. J. Lang

Dissertation Co-chair: M. M. Bradley

**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

**Caesar Miguel Hernandez III**

Major: *Medical Sciences—Neuroscience*

Dissertation: Neural Mechanisms of Age-Related Alterations to Decision Making

Dissertation Chair: J. L. Bizon

Dissertation Co-chair: B. Setlow

**Ixchel Manuela Hernandez Ochoa**

Major: *Agricultural and Biological Engineering*

Dissertation: Crop Production and Climate Change: Impacts, Adaptation Strategies and Uncertainty

Dissertation Chair: S. Asseng

### **Susana Hervás Ávila**

Major: *Interdisciplinary Ecology*

Dissertation: Understanding Stakeholder Conflict in the Gulf of Mexico Red Snapper Fishery

Dissertation Chair: K. Lorenzen

Dissertation Co-chair: M. C. Monroe

### **Juan M. Hincapie Castillo**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Evaluating Unintended Consequences of Strategies Aimed to Control the Opioid Crisis on Acute Pain

Management Patient Outcomes

Dissertation Chair: A. G. Winterstein

### **Shigetomo Hiramama**

Major: *Wildlife Ecology and Conservation*

Dissertation: Evaluation of the Impact of Artificial Lighting on Sea Turtle Hatchling Orientation

Dissertation Chair: R. R. Carthy

### **Md Marup Hossain**

Major: *Food and Resource Economics*

Dissertation: Access to Capital and Subsequent Livelihoods of Poor Households in Bangladesh

Dissertation Chair: C. Mullally

### **He Huang**

Major: *Curriculum and Instruction*

Dissertation: The Role of Language in Middle School Students' Mathematics Performance

Dissertation Chair: Z. Fang

### **Hua Huang**

Major: *Biomedical Engineering*

Dissertation: Brain Connectome Analysis for Total Knee Replacement Surgery with General Anesthesia Using

Functional Magnetic Resonance Imaging

Dissertation Chair: M. Ding

### **Kyle Thomas Hughes**

Major: *Aerospace Engineering*

Dissertation: Practical Considerations in Validation Experiments: Forensic Uncertainty Quantification and Simulation-Driven Design

Dissertation Chair: N. H. Kim

Dissertation Co-chair: R. T. Haftka

### **Hyunchul Hwang**

Major: *Civil Engineering*

Dissertation: Development of Accelerated Methodologies for Structural Layer Coefficients (SLCs) of Bases

Dissertation Chair: D. R. Hiltunen

### **Seahee Hwangbo**

Major: *Electrical and Computer Engineering*

Dissertation: Advanced Millimeter Wave Antenna Module for Modern Wireless Communications Using 3D

System-In-Packaging

Dissertation Chair: Y. K. Yoon

### **Basheer Mohammed Iqdam**

Major: *Food Science*

Minor: *Agricultural and Biological Engineering*

Dissertation: High Power Ultrasound, Malaxation Headspace Control, and Low Oxygen Atmosphere Headspace Storage: Impact on Extraction Efficiency, Quality Parameters, and Shelf-Life of Extra Virgin Olive Oil

Dissertation Chair: M. R. Marshall Jr.

Dissertation Co-chair: R. M. Goodrich

**Sabrina Islam**

Major: *Public Health*

Dissertation: Psychological Intimate Partner Violence Attitudes and Sexual Stigma among Lesbian and Bisexual Women

Dissertation Chair: K. M. Ross

Dissertation Co-chair: A. N. Zucker

**Sarah Rajkumari Jayasekaran**

Major: *Civil Engineering*

Dissertation: Smart Initiatives in Developing Countries- an Exploratory Study in Framework Creation to Enable Decision

Making Focusing on Smart City Mission in India

Dissertation Chair: F. T. Najafi

**Cassandra Jean-Antoine**

Major: *Nursing Sciences*

Dissertation: Comparing Perceptions of Nursing Leadership between Minority and Non-Minority Nurse Leaders

Dissertation Chair: V. M. Johnson-Mallard

Dissertation Co-chair: A. L. Horgas

**Kookhyun Jeong**

Major: *Materials Science and Engineering*

Dissertation: Innovative Coating of Vanadium Carbide on the F/M Cladding Tube Inner Surface for Mitigating the Fuel

Cladding Chemical Interactions

Dissertation Chair: Y. Yang

**Mengda Jia**

Major: *Design, Construction and Planning*

Dissertation: Occupant Behavior Modeling for Improving Commercial Building Energy Use Simulation

Dissertation Chair: R. S. Srinivasan

**Soowon Jo**

Major: *Curriculum and Instruction*

Dissertation: A Study of Common Core English Language Arts K-3 Text Exemplar Picture Books

Dissertation Chair: D. Fu

**Joseph John Thalakkottor**

Major: *Mechanical Engineering*

Dissertation: Developing a Unified Velocity Boundary Condition for Fluid Flows

Dissertation Chair: K. Mohseni

**Travis M. Jones**

Major: *Psychology*

Minor: *Computer Science*

Dissertation: Cognitive and Behavioral Neuroscience of Subordinate-Level Processing and Applications to

Brain-Computer Interfaces

Dissertation Chair: L. Scott

**Emilie Elizabeth Jordan**

Major: *Classical Studies*

Dissertation: All the Words, a Stage: Innovation, Self-Preservation, and the Centrality of Comedy in Ovid's *Metamorphoses*

Dissertation Chair: J. A. Rea

**Stephanie Marie Boothby Juengling**

Major: *Anthropology*

Dissertation: "I am Exposed to Not Only the Paranormal, but the Deepest Secrets of Individuals' Lives": An Ethnography of Florida Paranormal Research Teams

Dissertation Chair: P. F. Collings

**Levente Juhász**

Major: *Forest Resources and Conservation*

Dissertation: Investigating User Contribution Patterns to Novel Volunteered Geographic Information Platforms

Dissertation Chair: H. H. Hochmair

**Christopher Paul Kabb**

Major: *Chemistry*

Dissertation: Stimuli-Responsive Polymeric Materials

Dissertation Chair: B. S. Sumerlin

**Patrick Wilson Kelly**

Major: *Aerospace Engineering*

Dissertation: Orbital Debris Mitigation Using Solar Sail Trajectory Optimization

Dissertation Chair: R. Bevilacqua

**Patrick D. Kielty**

Major: *Business Administration—Accounting*

Dissertation: Essays on U.S. Audit Partner Characteristics

Dissertation Chair: W. R. Knechel

**Ju-Hyeun Kim**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Reducing the Burden of Disease in Patients with Rheumatoid Arthritis

Dissertation Chair: A. G. Hartzema

**Sujin Kim**

Major: *Design, Construction and Planning*

Dissertation: Shifting the Paradigm of Heritage Conservation Practice through 3D Terrestrial Laser Scanning

Dissertation Chair: C. Silver

Dissertation Co-chair: M. Hylton

**Lindsey Marie King**

Major: *Public Health*

Dissertation: An Ecological Examination of Trauma-Informed, Resilience-Building Community Initiatives

Dissertation Chair: M. W. Hart

**Bryan David Kozik**

Major: *History*

Dissertation: Building a Cosmopolitan Episcopacy in Reformations Central Europe: Johannes Dantiscus's Pursuit of Reform across Latin Christendom, 1518-1548

Dissertation Chair: H. P. Louthan

**Cody J. Kunka**

Major: *Mechanical Engineering*

Dissertation: Quantum and Experimental Mechanics of Icosahedral Ceramics

Dissertation Chair: G. Subhash

**Sanju Kunwar**

Major: *Plant Pathology*

Dissertation: Improving Host Resistance in Tomato against *Ralstonia solanacearum* by Utilizing *EFR* Gene from *Arabidopsis thaliana* and Identifying/Characterizing QTLs Associated with Bacterial Wilt Resistance in Tomato

Dissertation Chair: M. Paret

Dissertation Co-chair: J. B. Jones

**Mercedes F. Kweh**

Major: *Animal Molecular and Cellular Biology*

Dissertation: Vitamin D and Immunity Factors Contributing to Vitamin D Mediated Innate Immune Responses in Cattle

Dissertation Chair: C. D. Nelson

**Hyok-Je Kwon**

Major: *Design, Construction and Planning*

Dissertation: The Impact of Neighborhood Environment on Aging in Place

Dissertation Chair: R. L. Steiner

**Christopher Samuel Lacko**

Major: *Biomedical Engineering*

Dissertation: Magnetically Templated Scaffolds: A Novel Tissue Engineered Hydrogel for Peripheral Nerve Injury Repair

Dissertation Chair: C. E. Schmidt

**Susan E. Lad**

Major: *Anthropology*

Dissertation: Haversian Remodeling in Primate Limb Bones: Effects of Loading Magnitude, Frequency, and Strain Mode

Dissertation Chair: D. Daegling

**Nelmarie Landrau Giovannetti**

Major: *Veterinary Medical Sciences*

Dissertation: Detection and Characterization of Emerging Pathogens in Stranded Cetaceans

Dissertation Chair: T. B. Waltzek

**Jessica Ann Laskowski**

Major: *Wildlife Ecology and Conservation*

Dissertation: Effects of Animal Traits and Environmental Conditions on Animal Patch Choice and Foraging Behavior

Dissertation Chair: R. A. McCleery

**Lindsey A. Laytner**

Major: *Public Health*

Dissertation: A One Health Framework to Understand Livestock Ownership and Nutrition Status in Children under Five in Southern Haiti

Dissertation Chair: S. L. McKune

**Ah-Ram Lee**

Major: *Mass Communication*

Dissertation: The Effects of Technology-Mediated Communications on Elderly-Related Campaigns: The Interplay of Probability, Construal Level, and Message Appeal

Dissertation Chair: L. L. Hon

**Aleuna Lee**

Major: *Linguistics*

Dissertation: Effects of Production on Predictive Processing in Young and Older Adults

Dissertation Chair: E. Kaan

**Giljae Lee**

Major: *Electrical and Computer Engineering*

Dissertation: Collaborative Autonomic Approach to Self-Tuning of Hadoop Performance

Dissertation Chair: J. A. Fortes

**Lei Li**

Major: *Chemistry*

Dissertation: Design, Synthesis, and Characterization of Self-Assembling Oligothiophenes for Organic Photovoltaics and Thienyl-Pyridyl Oligomers for Sensing

Dissertation Chair: R. K. Castellano

**Qianyun Li**

Major: *Biostatistics*

Dissertation: Pathological Imaging Analysis and Drug Sensitivity Prediction

Dissertation Chair: F. Liang

**Weixuan Li**

Major: *Mechanical Engineering*

Dissertation: A Concurrent Atomistic-Continuum Study of Phonon Transport and Dislocation Dynamics on Mesoscale Materials

Dissertation Chair: Y. Chen

**Jiamin Liang**

Major: *Chemistry*

Dissertation: Growth Mechanisms of Prussian Blue Analogue and Its Heterostructure Nanoparticles in Surfactant-Free Synthesis

Dissertation Chair: D. R. Talham

### **Yinong Liang**

Major: *Nuclear Engineering Sciences*

Dissertation: Spent Nuclear Fuel Monitoring Using 4He Fast Neutron Scintillation Detectors and Spectral Unfolding Techniques

Dissertation Chair: P. Enqvist

### **Yan Liao**

Major: *Soil and Water Sciences*

Minor: *Urban and Regional Planning*

Dissertation: Capture Hydrology and Carbon Dynamics of Everglades through an Earth System Models

Dissertation Chair: S. Gerber

### **Bianca Libanori Artiaga**

Major: *Animal Sciences*

Dissertation: Natural Killer T Cell Therapy for Prevention and Treatment of Influenza A Virus Infection in Swine

Dissertation Chair: J. P. Driver

### **Rachel Lima Franca Piersanti**

Major: *Animal Sciences*

Dissertation: Effects of Uterine Disease on the Ovary of Dairy Cows

Dissertation Chair: J. J. Bromfield

### **Yingfu Lin**

Major: *Chemistry*

Dissertation: New Approaches and Applications to Brønsted Acid Catalysis and Development of Novel Hydrogen Bonding/Anion Binding Catalysis

Dissertation Chair: D. Seidel

### **Hua Liu**

Major: *Environmental Engineering Sciences*

Dissertation: PM Separation and Re-Suspension Test of Hydrodynamic Unit Operations Modeling, Scaling and Regulations in Urban Drainage System

Dissertation Chair: J. J. Sansalone

### **Peng Liu**

Major: *Plant Molecular and Cellular Biology*

Dissertation: Molecular Control of Carbon and Nitrogen Partitioning in Maize Kernels

Dissertation Chair: K. E. Koch

### **Wenwen Liu**

Major: *Agronomy*

Dissertation: Characterization of Acetyl CoA Carboxylase Inhibitor Fluzifop-P-Butyl Tolerance in *Zoysia* Spp. and the Safening Effect of Triclopyr on Zoysiagrass under Field Conditions

Dissertation Chair: R. G. Leon-Gonzalez

Dissertation Co-chair: J. B. Unruh

### **Xiaoxian Liu**

Major: *Botany*

Dissertation: Alternative Splicing in Basal Angiosperms and *Tragopogon* (Asteraceae)

Dissertation Chair: D. E. Soltis

Dissertation Co-chair: W. B. Barbazuk

### **Kathryn Elaine Lohr**

Major: *Fisheries and Aquatic Sciences*

Dissertation: Genetic and Environmental Considerations for Acroporid Coral Restoration

Dissertation Chair: J. T. Patterson

### **Carrie Lynn Lomelino**

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Structure-Guided Design of Carbonic Anhydrase IX Selective Inhibitors as a Breast Cancer Treatment

Dissertation Chair: R. McKenna

**Lesia Nicole Lorusso**

Major: *Design, Construction and Planning*

Dissertation: Investigating the Impact of Multisensory Environments on Behavior for Veterans with Dementia

Dissertation Chair: N. Park

Dissertation Co-chair: S. J. Bosch

**Lisa Marie Lundgren**

Major: *Curriculum and Instruction*

Dissertation: Mapping One Niche of Social Paleontology's Digital Ecology: Exploring the Practices of myFOSSIL Community Members

Dissertation Chair: K. J. Crippen

**Ginessa J. Mahar**

Major: *Anthropology*

Dissertation: The Practice of Fishing: Investigating the Sociality of Mass-Capture Fishing along the North Florida Gulf Coast

Dissertation Chair: N. J. Wallis

**Allen R. Majewski**

Major: *Physics*

Dissertation: Density Functional Theory Calculations of Temperature Dependent NQR Parameters in Solid Crystalline Materials

Dissertation Chair: N. S. Sullivan

**Adeesha Praveen Wijayasiri Malavi Pathirannahalage**

Major: *Computer Engineering*

Dissertation: Dynamic Data Driven SAR Reconstruction on Hybrid Multicore Systems

Dissertation Chair: S. K. Sahni

Dissertation Co-chair: S. Ranka

**Marc Anthony Matthews**

Major: *Linguistics*

Dissertation: The Roles of Intonation and Pragmatic Context on Predictions of Upcoming Turns in Dialogue

Dissertation Chair: R. Wayland

Dissertation Co-chair: J. R. Valdes Kroff

**Alex Joseph Mattingly**

Major: *Health and Human Performance*

Dissertation: The Nature of Mouse Skeletal Muscle as an Immune-Responsive Organ

Dissertation Chair: T. L. Clanton

**Damaris Mayans Ramon**

Major: *Romance Languages—Spanish*

Dissertation: The Processing of Gender Agreement in Monolingual and Heritage Speakers of Spanish

Dissertation Chair: J. R. Valdes Kroff

Dissertation Co-chair: A. de Prada Perez

**Mam Yassin Mboge**

Major: *Medical Sciences—Cancer Biology*

Dissertation: The Role of Carbonic Anhydrase in Breast Cancer Growth, Metabolism and Motility

Dissertation Chair: S. C. Frost

**Nina Menezes**

Major: *Music*

Dissertation: One Voice, Many Spaces: Uncovering Contemporary Tamil Film Song Cover Culture in Chennai, South India

Dissertation Chair: L. N. Crook

**Francine Messias Ciriaco Silva**

Major: *Animal Sciences*

Dissertation: Use of Chemical Treatment of Forages with the Alkali Calcium Oxide in Beef Cattle Production

Dissertation Chair: N. DiLorenzo

**Xinlei Mi**

Major: *Biostatistics*

Dissertation: Deep Learning-based Approaches for High-dimensional Clinical and Genetic Data

Dissertation Chair: F. Zou

**Minch Minchin**

Major: *Mass Communication*

Dissertation: A Foundation for the Marketplace: Why the Marketplace of Ideas Needs Natural Law for Support and the Content-Neutrality Doctrine for Application

Dissertation Chair: C. Calvert

**Siti Jariani Binti Mohd Jani**

Major: *Soil and Water Sciences*

Dissertation: Composition, Sources, and Bioavailability of Nitrogen in Urban Waters

Dissertation Chair: G. Toor

Dissertation Co-chair: A. K. Koeser

**Rene Arnoldo Molina**

Major: *Electrical and Computer Engineering*

Dissertation: Responsive Deep Brain Stimulation for the Treatment of Medically Refractory Freezing of Gait in Parkinson's Disease

Dissertation Chair: A. Gunduz

**Marissa Selena Molinar**

Major: *Anthropology*

Dissertation: Drawing the World: Coso Range Archaic Rock Art as Performance, Community, and Cosmology

Dissertation Chair: K. E. Sassaman Jr.

**Christina Marie Moloney**

Major: *Medical Sciences—Neuroscience*

Dissertation: Dissecting the Role of Matrin 3 in Amyotrophic Lateral Sclerosis and Distal Myopathy

Dissertation Chair: J. M. Lewis

**Douglas A. Monroe**

Major: *Anthropology*

Dissertation: Food Deserts, Food Insecurity, and the Community Food Movement

Dissertation Chair: C. C. Gravlee IV

**Linda Estrella Monroy Sarmiento**

Major: *Environmental Engineering Sciences*

Dissertation: Assessment of Management Options for Combustion Residuals

Dissertation Chair: T. G. Townsend

**Flavia Alejandra Montaña Centellas**

Major: *Wildlife Ecology and Conservation*

Dissertation: Disentangling Driving Forces of Avian Community Assembly along Altitudinal Gradients

Dissertation Chair: B. A. Loiselle

**Adriana Moreira Zolini**

Major: *Animal Molecular and Cellular Biology*

Dissertation: Identification and Characterization of Genes and Genetic Variants Controlling Fertility and Embryo Survival in Dairy Cattle

Dissertation Chair: P. J. Hansen

**Monica Alexandra Muñoz**

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Direct Reporting to the US Food and Drug Administration's Adverse Event Reporting System: An Evaluation of Reporting Patterns, Impact of Consumer Reporting Form Changes, and Pharmacovigilance Utility

Dissertation Chair: A. G. Winterstein



**Lendel Kade Narine**

Major: *Agricultural Education and Communication*

Dissertation: The Potential of Mobile Information Communication Technologies in Strengthening the Linkages between Farmers and Extension in Trinidad

Dissertation Chair: A. M. Harder

**Yasser Sobhy Ahmed Nehela**

Major: *Plant Pathology*

Dissertation: Metabolic Responses of Citrus Plants to the Bacterial Pathogen *Candidatus Liberibacter asiaticus* and Its Insect Vector *Diaphorina citri*

Dissertation Chair: N. A. Killiny-Mansour

**Annie C. Neimand**

Major: *Sociology*

Dissertation: Feminist Media as Feminist Activism: Examining the Communication Strategy Used in the Making of a Goddess Feminism Film

Dissertation Chair: C. L. Shehan

**Andrew S. Nelson**

Major: *Veterinary Medical Sciences*

Dissertation: Mucosal Tolerance Strategies for Treating Type 1 Diabetes in Non-Obese Diabetic Mice

Dissertation Chair: D. W. Pascual

**Belinda Breese Nettles**

Major: *Design, Construction and Planning*

Dissertation: Barriers to Considering Cultural Resources in Disaster Planning

Dissertation Chair: K. I. Frank

Dissertation Co-chair: K. E. Larsen

**Thai Nguyen**

Major: *Civil Engineering*

Dissertation: Strength Envelopes for Florida Rock and Intermediate Geomaterials

Dissertation Chair: M. C. McVay

**Sarah Nixon**

Major: *Linguistics*

Dissertation: Silence and the Evidentiary Interview: A Mixed Method Approach

Dissertation Chair: D. Boxer

**Omotola Gbemisola Olaniyi**

Major: *Entomology and Nematology*

Dissertation: Evaluation of Integrated Strategies for Management of Twospotted Spider Mite (*Tetranychus urticae* Koch) in Organic Strawberry Production

Dissertation Chair: O. E. Liburd

**Taiwo Janet Olatunde**

Major: *Aerospace Engineering*

Dissertation: UV LED Based Charge Control for the LISA Gravitational Reference Sensor

Dissertation Chair: J. Conklin

**Ana Carolina Oliveira Fiorini**

Major: *Interdisciplinary Ecology*

Dissertation: Brazilian Forest Code Instruments Used to Promote Atlantic Forest Restoration: A Study in Rio Claro Municipality

Dissertation Chair: F. E. Putz

**Silvia Sofia Orsini**

Major: *Microbiology and Cell Science*

Dissertation: Characterization of Nitric Oxide Synthase in the Haloalkaliphilic Archaeon *Natronomonas pharaonis*

Dissertation Chair: K. C. Rice

**Rommel Jose Pabon**

Major: *Aerospace Engineering*

Dissertation: Experimental Studies of Organized Motions in a Turbulent Boundary Layer and Their Imprint on Wall Shear Stress

Dissertation Chair: L. S. Ukeiley

**Michael Christopher Pace**

Major: *Medical Sciences—Neuroscience*

Dissertation: At the Intersection of Proteostasis and Neurodegenerative Disease: Bystander Misfolding and Impaired Proteome Integrity

Dissertation Chair: D. R. Borchelt

**Kirsten Eliete Paff**

Major: *Agricultural and Biological Engineering*

Dissertation: Food Security in Ethiopia: Developing a Dynamic Crop Simulation Model for *Eragrostis tef* (Zucc.) Trotter

Dissertation Chair: S. Asseng

**Kyoung Shin Park**

Major: *Health and Human Performance*

Dissertation: Musical Emotion and Familiarity Alters Forward Gait Behaviors in People with Parkinson's Disease

Dissertation Chair: C. M. Janelle

**Seema Patel**

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: The Role of STING in Vaccine Efficacy and Host Pathogenesis during Pulmonary Pneumococcal Infection

Dissertation Chair: L. Jin

**Dev Raj Paudel**

Major: *Agronomy*

Dissertation: Quantitative Trait Loci Mapping of Genes Involved in Flowering Time and the Development of Marker Assisted and Traditional Breeding Resources in Napiergrass for Yield, Biosafety, and Seed Production

Dissertation Chair: F. Altpeter

Dissertation Co-chair: J. Wang

**Andres Alfredo Pech Cervantes**

Major: *Animal Sciences*

Dissertation: Use of Expansins and Fibrolytic Enzymes to Improve Fiber Digestion in Ruminant Feeds

Dissertation Chair: A. T. Adesogan

Dissertation Co-chair: D. Vyas

**Michelle L. Penkrot**

Major: *Geology*

Dissertation: The Late Quaternary Continental Margin Sedimentary Record of Glacial Erosion within the St. Elias Mountain Range, Southeastern Alaska

Dissertation Chair: J. M. Jaeger

**Dane M. Phelan**

Major: *Medical Sciences—Genetics*

Dissertation: Genetic Manipulation of the HSV1 Transactivator ICP4: From Gene Structure to Gene Therapy

Dissertation Chair: D. C. Bloom

**Nikea Chanel Pittman**

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Structure and Function Investigation of Anti-Tumor Parvoviruses

Dissertation Chair: M. Agbandje-McKenna

**Dhani Prakoso**

Major: *Veterinary Medical Sciences*

Dissertation: Intrahost Genetic Diversity of West Nile Virus in Horses

Dissertation Chair: M. T. Long

**Charles Wayne Pugh**

Major: *Microbiology and Cell Science*

Dissertation: Functional and Structural Dynamics of the Antiviral Innate Immune Rig-Like Receptor Family throughout Animal Evolution

Dissertation Chair: B. D. Kolaczowski

**Yuxi Qiu**

Major: *Research and Evaluation Methodology*

Dissertation: Posterior Predictive Model Checking to Evaluate the Performance of Dynamic Bayesian Networks

Dissertation Chair: A. C. Manley

**Justin B. Quinn**

Major: *Anthropology*

Dissertation: Right to the Railroad: Publics and the Promise of High-Speed Rail in Contemporary Mexico

Dissertation Chair: R. B. Kernaghan

**Tiphonie E. Raffegeau**

Major: *Health and Human Performance*

Dissertation: The Role of Cognition in Locomotor Balance across the Lifespan

Dissertation Chair: C. J. Hass

**Nathan George Frederick Reaver**

Major: *Environmental Engineering Sciences*

Dissertation: Linking Landscape Hydrologic Processes to the Structure and Dynamics of Spring Ecosystems

Dissertation Chair: D. A. Kaplan

**Yuanfang Ren**

Major: *Computer Engineering*

Dissertation: Algorithms to Construct and Explore the Biological Networks with Uncertainty

Dissertation Chair: T. Kahveci

**Natalie Marie Khoury Ridgewell**

Major: *Curriculum and Instruction*

Dissertation: Is It the Right "Fit?" Florida Teachers' Motivations for Choosing a Teaching Career Using the FIT-Choice Scale

Dissertation Chair: A. J. Adams

**Gustavo Riente de Andrade**

Major: *Civil Engineering*

Dissertation: Relationship between Traffic Operations and Road Safety

Dissertation Chair: A. Elefteriadou

Dissertation Co-chair: A. Ferraz

**John William Roberts**

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Terrestrial Remote Sensing for Urban Forest Management

Dissertation Chair: A. K. Koeser

Dissertation Co-chair: G. M. Hansen De Chapman

**Andrés Felipe Rodríguez Grisales**

Major: *Soil and Water Sciences*

Dissertation: Carbon Oxidation, Characterization, and Soil Subsidence Modeling in the Organic Soils of the Everglades Agricultural Area

Dissertation Chair: S. H. Daroub

Dissertation Co-chair: S. Gerber

**Erica P. Ross**

Major: *Fisheries and Aquatic Sciences*

Dissertation: Chemosensory Communication in the Spiny Lobster, *Panulirus argus*: Interactive Effects of Disease on Spiny Lobster Ecology

Dissertation Chair: D. C. Behringer Jr.

**Miles A. Rubinski**

Major: *Chemistry*

Dissertation: Radical Fluoroalkylation Using Photoredox Catalysis to Access Trifluoromethyl Coumarins and Difluoromethyl Indoles

Dissertation Chair: W. R. Dolbier Jr.

**Zilfina Rubio Ames**

Major: *Horticultural Sciences*

Dissertation: The 'Ideal Peach' and the Role of Nitrogen Fertilization in the Development of Peach Postharvest Attributes

Dissertation Chair: J. K. Brecht

Dissertation Co-chair: M. A. Olmstead

**Shilpa Sahay**

Major: *Curriculum and Instruction*

Dissertation: Investigating Teachers' Perspectives toward ICT Integration in Classrooms in Delhi, India

Dissertation Chair: K. M. Dawson

**Jorge Sebastian Salinas**

Major: *Mechanical Engineering*

Dissertation: Ambient Fluid Entrainment in Turbidity Currents

Dissertation Chair: S. Balachandar

Dissertation Co-chair: T. L. Jackson

**Miguel Andres H. Salinas Saavedra**

Major: *Zoology*

Dissertation: Evolution of Cell Polarity in Metazoa

Dissertation Chair: M. Q. Martindale

**Morgan Violeta Sanchez**

Major: *Sociology*

Dissertation: Sick and Tired: Narratives of Chronic Fatigue Syndrome in Blogs

Dissertation Chair: C. L. Shehan

**Carla Dean Sanford**

Major: *Animal Sciences*

Dissertation: The Impact of Conceptus and Fetal Development on Beef Cattle Production

Dissertation Chair: N. DiLorenzo

**Nathan R. Sauder**

Major: *Mechanical Engineering*

Dissertation: Predicting Optimal Fast Functional Electrical Stimulation Patterns for Post-Stroke Gait Neurorehabilitation

Dissertation Chair: B. J. Fregly

**Michael R. Schmid**

Major: *Mechanical Engineering*

Dissertation: Analysis of New Generation Absorption Cycles and the Design and Manufacturing of Their Membrane-Based Absorber Heat and Mass Exchanger

Dissertation Chair: S. Moghaddam

**Carrie E. Schuman**

Major: *Interdisciplinary Ecology*

Dissertation: Ecosystem Service Provision by the Eastern Oyster, *Crassostrea virginica*, within the St. Augustine Region of Florida

Dissertation Chair: S. M. Baker

**Madeline G. Sciuillo**

Major: *Electrical and Computer Engineering*

Dissertation: Fundamental Modeling and Simulation of AlGaIn/GaN High Electron Mobility Transistors pH Sensing Technologies

Dissertation Chair: M. E. Law

Dissertation Co-chair: E. E. Patrick

**Louis Alan Searcy**

Major: *Chemistry*

Dissertation: Innovations in Mass Spectrometry Imaging for Metabolomics

Dissertation Chair: R. A. Yost

**Poorvajan Sekar**

Major: *Chemical Engineering*

Dissertation: Novel Approaches for Controlled Ocular Drug Delivery with Reduced Toxicity

Dissertation Chair: A. Chauhan

**Mirsada Serdarevic**

Major: *Epidemiology*

Dissertation: Risk Factors for Opioid Use Patterns Assessed through a Community Engagement Program in North Central Florida

Dissertation Chair: L. B. Cottler

**Shamsunnaher**

Major: *Plant Pathology*

Dissertation: XA21-Mediated Abiotic Stress Resistance in Rice

Dissertation Chair: W. Song

**Qian Shu**

Major: *Environmental Engineering Sciences*

Dissertation: Improving Model Ability of Predicting Atmospheric Pollutants by Constraining Modeling Process Uncertainties

Dissertation Chair: B. H. Henderson

Dissertation Co-chair: M. Jang

**Holly Jean Shugart**

Major: *Entomology and Nematology*

Dissertation: Probing Behavior and Host Preference in the Asian Citrus Psyllid, *Diaphorina citri* (Hemiptera: Liviidae)

Dissertation Chair: M. E. Rogers

**Prashant Kumar Singh**

Major: *Chemistry*

Dissertation: Isolation, Identification, and Synthesis of Novel Compounds from an Entomopathogenic Nematode

Dissertation Chair: R. A. Butcher

**Geoffrey Henry Smith Jr.**

Major: *Fisheries and Aquatic Sciences*

Dissertation: Impacts of a Non-Native Piscivore, the Pike Killifish, on Juvenile Common Snook

Dissertation Chair: D. J. Murie

**Ian R. Smith**

Major: *Chemistry*

Dissertation: Self-Assembly Behavior of Topologically Constrained Polypeptides

Dissertation Chair: D. A. Savin

**Leticia M. Solaun**

Major: *Mass Communication*

Dissertation: Acculturation and Self-Categorization as Predictors of Latino Philanthropic Behavior

Dissertation Chair: K. S. Kelly

**Prashanth Sridharan**

Major: *Mechanical Engineering*

Dissertation: Shock-Particle Interaction Using Diffuse Interface Methods

Dissertation Chair: S. Balachandar

Dissertation Co-chair: T. L. Jackson

**Nichole E. Stetten**

Major: *Public Health*

Dissertation: Medical Marijuana Usage among People with Disabilities

Dissertation Chair: J. L. Pomeranz

**Lindsey Danielle Stevenson**

Major: *Curriculum and Instruction*

Dissertation: The Sense-Making Experiences of United States History Educators in a High-Stakes Testing Environment

Dissertation Chair: E. A. Washington

**Bradley Christian Stockard**

Major: *Pharmaceutical Sciences*

Dissertation: Applying Global and Targeted Metabolomics in Pediatric Acute Myeloid Leukemia to Identify Metabolic Differences Associated with Patient Characteristics and Treatment Outcomes

Dissertation Chair: J. K. Lamba

**Kalaivani Sundararajan**

Major: *Computer Engineering*

Dissertation: Analysis of Stylometry as a Cognitive Biometric Trait

Dissertation Chair: D. Woodard

**Varsha Sundaresan**

Major: *Medical Sciences—Cancer Biology*

Dissertation: Significantly Mutated Genes in Small Cell Lung Cancer and Comparative Analysis of p53 Binding

Dissertation Chair: L. Zhou

**Zahra Tayebi**

Major: *Food and Resource Economics*

Dissertation: The Use of Panel Time Series Data in Modeling Agricultural Markets

Dissertation Chair: G. Onel

Dissertation Co-chair: J. L. Seale Jr.

**Nina Nicole Thigpen**

Major: *Psychology*

Dissertation: Selective Attention and Working Memory in Visual Cortex

Dissertation Chair: A. Keil

**Orrin H. Thomas**

Major: *Forest Resources and Conservation*

Dissertation: Defining and Extending the Niche of Unmanned Systems in Engineering Mapping

Dissertation Chair: B. A. Dewitt

Dissertation Co-chair: B. E. Wilkinson

**Jonathan Eric Thompson**

Major: *Physics*

Dissertation: Gravitational Self-Force Regularization in the Regge-Wheeler and Easy Gauges

Dissertation Chair: B. F. Whiting

**John Thomas Tokarski III**

Major: *Chemistry*

Dissertation: Optically Pumped Nuclear Magnetic Resonance Investigation of Strain and Doping Effects in Gallium Arsenide

Dissertation Chair: C. R. Bowers

**Rodrigo D. Trevizan**

Major: *Electrical and Computer Engineering*

Dissertation: Toward Smart Grids: Algorithms for Efficiency and Security Enhancement

Dissertation Chair: A. S. Bretas

**Matthias A. Trujillo-Torres**

Major: *Chemical Engineering*

Dissertation: Fabrication of Nanoporous Templates for Use in Gas Phase Separation. Methods for Achieving near Atomic Dimensions

Dissertation Chair: K. J. Ziegler

Dissertation Co-chair: S. Vasenkov

**Derrick A. VanGennep**

Major: *Physics*

Dissertation: Pressure-Driven Topological Quantum Phase Transitions in Semimetals and Semiconductors

Dissertation Chair: J. J. Hamlin

**María C. Vélez-Climent**

Major: *Plant Pathology*

Dissertation: Evaluation of Southern Highbush Blueberry Cultivars for Resistance to Major Fungal Diseases in Florida and Population Genetics of Anthracnose Fungi Affecting North and Central Florida Blueberry Production

Dissertation Chair: P. F. Harmon

**Christopher E. Wagner**

Major: *Physics*

Dissertation: Equilibrium and Time-Dependent Properties of Quantum Impurity Systems

Dissertation Chair: J. K. Ingersent

**Ahmed Mohammed Wahba**

Major: *Food and Resource Economics*

Dissertation: Econometric Modeling of World Market Integration of Meat Exports, Multistage Budgeting Approach of Egypt's Import Demand, and Impacts of the Economic Reform Program on Meat Availability in Egypt

Dissertation Chair: J. L. Seale Jr.

Dissertation Co-chair: J. J. VanSickle

**Kai Wang**

Major: *Epidemiology*

Dissertation: Dynamics in Circulating Testosterone Level and Body Weight in Relation to Serum PSA and Risk of Prostate Cancer

Dissertation Chair: X. Chen

Dissertation Co-chair: M. Prosperi

**Yu Wang**

Major: *Geography*

Minor: *Statistics*

Dissertation: Evaluating the Effects of Land Surface Conditions on Rainfall Patterns of Modeled Landfalling Tropical Cyclones Using Geospatial Technologies

Dissertation Chair: C. J. Matyas

**Christopher K. Weaver**

Major: *Political Science*

Dissertation: Public Four-Year College and University Finance: Equality of State Financial Support to Public Historically Black Colleges and Universities

Dissertation Chair: D. M. Hedge

Dissertation Co-chair: S. D. Austin

**Michael Shenming Wei**

Major: *Chemistry*

Dissertation: Improving the Separation of Drug Isomers Using Chemical Modifiers in High-Field Asymmetric Waveform Ion Mobility Spectrometry

Dissertation Chair: R. A. Yost

**Jennifer Michelle Wert**

Major: *Agricultural Education and Communication*

Dissertation: A Qualitative Exploration of Humble Women Leaders in Florida Agriculture

Dissertation Chair: H. S. Carter

Dissertation Co-chair: M. J. Sowcik

**Erin B. White**

Major: *Environmental Engineering Sciences*

Dissertation: Contaminant Fluxes through Heterogeneous Transport Pathways in Fractured Rock and Karst

Dissertation Chair: M. D. Annable

**Joseph I. Whitman**

Major: *Economics*

Dissertation: Essays in the Economics of Sports and Trade

Dissertation Chair: J. H. Hamilton

**Monica E. Wilinski-Hodel**

Major: *Romance Languages—Spanish*

Dissertation: Effects of Cross-Linguistic Influence in the Expression of Generic vs. Specific Subjects in SHSs

Dissertation Chair: A. de Prada Perez

**Krystan Alisa Wilkinson**

Major: *Interdisciplinary Ecology*

Dissertation: Understanding Risk Mitigation by Common Bottlenose Dolphins (*Tursiops truncatus*) in Sarasota Bay, Florida through Analysis of Group Size, Habitat Use, and Perinatal Movements

Dissertation Chair: W. E. Pine III

Dissertation Co-chair: R. S. Wells

**Samual Jay Wilson**

Major: *Chemical Engineering*

Dissertation: Routes to Earth Abundant Kesterite-Based Thin Film Photovoltaic Materials

Dissertation Chair: T. J. Anderson

**Laura Moore Winn**

Major: *Art History*

Dissertation: The Art of Becoming: Mimicry, Ambivalence, and Orientalism in the Work of Henry Ossawa Tanner and Hilda Rix

Dissertation Chair: M. L. Hyde

**Gabrielle Carrington Winters**

Major: *Medical Sciences—Neuroscience*

Dissertation: Cephalopod Neurogenomics: Molecular Insights into Octopus Learning and Memory

Dissertation Chair: L. L. Moroz

**Qinwen Xia**

Major: *Entomology and Nematology*

Dissertation: Evolutionary Changes in Endocrine Regulation of Diapause Trigger Diversification by a Shift in Life Cycle Timing

Dissertation Chair: D. A. Hahn

**Chi Xu**

Major: *Civil Engineering*

Dissertation: Model Design and Economical Optimization of Concentrator Photovoltaic with Thermal and Waste Heat Recovery System

Dissertation Chair: F. T. Najafi

Dissertation Co-chair: M. Tia

**Yunan Xu**

Major: *Epidemiology*

Dissertation: The Association of Cumulative Cigarette Smoking with Cardiovascular Risk among Persons Living with HIV

Dissertation Chair: X. Chen

**Hamad Ahmad Yadikar**

Major: *Chemistry*

Dissertation: Neurobiochemical and Peptidomic Approaches to Screen for Tau Kinase Inhibitors and Elucidate Post-Translational Modifications following Traumatic Brain Injury

Dissertation Chair: R. A. Yost

**Ibrahim Yahaya Ibrahim**

Major: *Political Science*

Dissertation: Islam and Political Contestation in the Sahel: Protests, Riots, and Jihadist Insurgencies in Mauritania, Niger, and Mali

Dissertation Chair: L. A. Villalon



**Di Yang**

Major: *Geography*

Dissertation: Forest Mosaics: Spatial Forest Management Patterns from Stands to Regional Scales in Southeastern U.S. Coastal Plain and Piedmont

Dissertation Chair: M. W. Binford

**Jongmin Yang**

Major: *Political Science*

Dissertation: Governing the South Korean Video Game Industry

Dissertation Chair: A. A. Hozic

**Yajing Yang**

Major: *Chemistry*

Dissertation: Study on Fluorescence Quenching, Aggregation and Charge Transfer Properties of Conjugated Polymers

Dissertation Chair: K. S. Schanze

**Tuba Yilmaz**

Major: *Curriculum and Instruction*

Dissertation: Turkish American Students' Experiences with Boundary Crossing within and across Multiple Discursive Spaces

Dissertation Chair: E. J. De Jong

**Carlos Andres Zambrano Vaca**

Major: *Horticultural Sciences*

Dissertation: Determining Water Requirements for Low-Chill Peaches in Subtropical Humid Conditions

Dissertation Chair: L. Zotarelli

Dissertation Co-chair: K. W. Migliaccio

**María Isabel Zamora Re**

Major: *Agricultural and Biological Engineering*

Dissertation: Irrigation and Nitrogen Best Management Practices in Corn Production

Dissertation Chair: M. D. Dukes

**Jun Zhang**

Major: *Design, Construction and Planning*

Dissertation: Collecting Real-Time Human Behavior Data during Fire Emergency Evacuation: A BIM-Driven Immersive Game Approach

Dissertation Chair: R. R. Issa

**Peter L. Zhang**

Major: *Aerospace Engineering*

Dissertation: Characterization of Digitized Heat Transfer, Moving Contact Line Vorticity, and the Moving Contact Line Force

Dissertation Chair: K. Mohseni

**Qiao Zhang**

Major: *Chemical Engineering*

Dissertation: Nuclear Mechanics and Cell Function

Dissertation Chair: T. Lele

**Yanchao Zhang**

Major: *Religion*

Dissertation: The Development of Mazu Worship in Late Imperial China

Dissertation Chair: M. Poceski

**Zizhao Zhang**

Major: *Computer Science*

Dissertation: Linking Language to Vision for Interpretable Computer-aided Diagnosis

Dissertation Chair: L. Yang

**Xiaofeng Zhou**

Major: *Computer Science*

Dissertation: Learning and Query Processing over Knowledge Bases

Dissertation Chair: Z. Wang

## **Yun Zhu**

Major: *Epidemiology*

Dissertation: Multi-Omics Analysis for Major Depression: A Monozygotic Discordant Twin Study

Dissertation Chair: J. Zhao

# DOCTOR OF EDUCATION

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## **Kayla Bannister Charles**

Major: *Higher Education Administration*

Dissertation: Informational and Cost Nudges in the Community College Loan Acceptance Process: A Behavioral Approach to Reduce Over-Borrowing

Dissertation Chair: D. A. Kramer

## **Bhuvanewari Gudapati**

Major: *Higher Education Administration*

Dissertation: A Phenomenological Examination of the Blended Learning Experiences of Caribbean Community College Students: An Interpretation through the Community of Inquiry Framework

Dissertation Chair: J. C. Ortagus

## **Allison Beaumont Johnson**

Major: *Curriculum and Instruction*

Dissertation: Case Study for Implementing Text Message Notifications in Online Courses: Strategies, Successes, and Pitfalls

Dissertation Chair: A. D. Ritzhaupt

## **Cary Cates Kirby**

Major: *Curriculum and Instruction*

Dissertation: Socially-Shared Regulation in an Online Learning Environment during a Fourth-Grade, Gifted Science Class

Dissertation Chair: K. M. Dawson

## **Cynthia Zainab Okoe**

Major: *Higher Education Administration*

Dissertation: Examining the Effects of Florida's Community College Baccalaureate Legislation on Baccalaureate Production in the State University System of Florida

Dissertation Chair: D. A. Kramer

## **Ansa Tyus Reams-Johnson**

Major: *Higher Education Administration*

Dissertation: Building Personal Equity: A Social Capital Analysis of African American Administrators and Mentorship Practices

Dissertation Chair: C. Haynes

Dissertation Co-chair: D. F. Campbell

## **Virginia L. Stewart Miller**

Major: *Higher Education Administration*

Dissertation: A Case Study of Campus IT's Role in the Adoption of Technology at a Private University

Dissertation Chair: D. F. Campbell

## **Catherine Grace Gordon White**

Major: *Educational Leadership*

Dissertation: A Study of the Relationship between Principal Support and New Teachers' Career Intentions

Dissertation Chair: L. B. Eldridge

## DOCTOR OF AUDIOLOGY

Carolyn A. Bequette  
Lori A. Dyer

Edward G. Hill  
Judith M. Saltiel

## DOCTOR OF BUSINESS ADMINISTRATION

Marko Radoslav Jovic

Jared James Pressell

## DOCTOR OF NURSING PRACTICE

Patricia Marie Burgunder  
Angelica C. Estrella

Scott M. Macdonald

## DOCTOR OF PLANT MEDICINE

James R. Betts II  
Jennifer Lanette Sobel

Marvin Bruce Stripling Jr.

## PROFESSIONAL DEGREES

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### THE FREDRIC G. LEVIN COLLEGE OF LAW

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#### Dean Laura A. Rosenbury

#### DOCTOR OF JURIDICAL SCIENCES IN TAXATION

Debora S. Correa

#### JURIS DOCTOR

Reza Ronny Ayazi  
Maergrethe C. Box  
Miles Conrad Gardner \*

Alexandra Diana Graves \*  
Harold H. Lemoine  
Natalie K. Lennon

Minch Minchin \*  
Liana D. Villaverde

### THE COLLEGE OF PHARMACY

---

#### Dean Julie A. Johnson

#### DOCTOR OF PHARMACY

Olufunmilayo Adesanya  
Hadas Yigzaw Adugna  
Imuetinyanosa Agbor  
Adeleke Alli  
Donna Susan Apollinari  
Teri Kathleen Arnold  
Tammy S. Busch  
Ellie Sunghee Byun  
Esthere Julien Choute  
Virginia Denise Cleaver  
Kate U. Cole-Emuze  
Jodi Lynn Cook  
Clinton Michael Cronin  
Sri Unnath Donepudi  
Sharon A. Duritzo  
Aderonke A. Efunogbon  
Sara M. Farag  
Celia Denise Freund  
Sylvia I. Galliano  
Ashoka Benedict Gomes

Jennifer Espiritu Gonda-Savedia  
Stephanie J. Gracey  
Ryan James Henderson  
Melissa Ann Hudson  
Jacob V. Kunjukunju  
Marcy Ann Kutok  
Insun Lee  
Mirlande Lindor  
William Yung-Kang Liu  
André Carnegie Mackey  
Shauna P. Markes-Wilson  
Amir Meshrek  
Michael G. Morcos  
Nora Olivia Nanteza-Mukasa  
Henrietta Olowoyo  
Parisa Parvini  
Ellen S. Penny  
Ellamy L. Rhoads  
Kevin J. Ridderhoff  
Rhenee Antoinette Robinson

Raghad Sabra  
Vijeta Sareen  
Rocco Sforza  
Christie Camille Smith  
Michael A. Stevens  
Shayshanna S. Thomas  
Lorenzo Torres Jr.  
James Patrick Wilson  
Riffat R. Zahoor

\*Cum Laude

\*\*Magna Cum Laude

\*\*\*Summa Cum Laude

(Cum Laude, Magna Cum Laude and Summa Cum Laude are tentative and subject to final grades)



## 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. 8 in U.S. News & World Report "Top Public Universities" (2018); No. 12 in the Wall Street Journal/Times Higher Education list of Best Public Colleges (2017); No. 3 on the Forbes' list of Best Value Public Universities (2017); No. 1 on Value Colleges' list of Top 50 Best Value Colleges (2016); and No. 1 on the Times Higher Education list of best public universities for employers to find new hires.

### Faculty

- UF has nearly 5,000 faculty members with distinguished records in teaching, research and service, including 36 Eminent Scholar chairs and 45 faculty elections to the National Academy of Sciences, Engineering, the National Academy of Medicine or the American Academy of Arts and Sciences.
- Awards include two Pulitzer Prizes, NASA's top award for research, and the Smithsonian Institution's conservation award.

### Students

- Ninety-seven percent of incoming freshmen score above the national average (1500/21) on standardized exams. Students admitted for the fall 2018 freshman class had an average 4.45 GPA and an average SAT score of 1370.
- The freshman retention rate of 96 percent is among the highest in the country.
- UF awards more professional degrees to African American, Hispanic and other minority students than any other public university in the Association of American Universities (2014-15).
- Sixty-seven percent of UF full-time freshmen graduate in four years (2011-12 cohort), and 87 percent of UF freshmen graduate within six years (2009-10 cohort).
- Fifty-seven percent of UF graduates leave the university with no student-loan debt. For the remaining students, their average indebtedness is about \$21,603, as compared with the national average of more than \$30,000 (2015-16).



## Chain of Office

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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

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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 staff is carved from cherry wood. 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.



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## Diplomas

Diplomas will be mailed to the graduate's permanent home mailing address in February 2019.

## Caps and Gowns, An Explanation

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The academic regalia worn by graduating students and faculty at today's commencement ceremonies 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 doctoral regalia also has velvet running on the rest of the gown, including cross bars 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**