

Commencement

UF | UNIVERSITY *of*
FLORIDA

Commencement
SPRING 2022



Greetings from the President

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

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

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

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

Best wishes, and Go Gators!



W. Kent Fuchs



University of Florida President

Dr. W. Kent Fuchs

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

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

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

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

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



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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

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College of Health and Human Performance

Andra Johnson, Ph.D.

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Robert Gilbert, Ph.D.

IFAS Research

Leonardo Villalón, Ph.D.

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College of Journalism and Communications

Laura A. Rosenbury, J.D.

Fredric G. Levin College of Law

David E. Richardson, Ph.D.

College of Liberal Arts and Sciences

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

College of Medicine

Anna M. McDaniel, Ph.D., R.N.

College of Nursing

Julie A. Johnson, Pharm.D.

College of Pharmacy

Michael G. Perri, Ph.D.

College of Public Health and Health Professions

Dana Zimmel, D.V.M.

College of Veterinary Medicine

Judith C. Russell, M.S.

University Libraries

Heather White, Ph.D.

Dean of Students



2022 SPRING
COMMENCEMENT

COMMENCEMENT AGENDA – THURSDAY, APRIL 28, 9:00 A.M.

Presiding	Kent Fuchs <i>President</i>
Processional	
National Anthem	Vocalist: Anthony Offerle Faculty Brass Quintet: Paul Basler, Ben Elgan, Randy Lee, Jemmie Robertson, Danielle VanTuinen
Welcome	Kent Fuchs
Introductions	Joseph Glover <i>Provost and Senior Vice President for Academic Affairs</i>
Presentation of Distinguished Awards	Joseph Glover
Honorary Degree, Doctor of Science Recipient	James Hines <i>College of Agricultural and Life Sciences</i>
Distinguished Alumnus Award Recipient	Dr. Ira C. Robinson <i>College of Pharmacy</i>
Commencement Address	Joslyn Ahlgren <i>Instructional Professor and Undergraduate Program Coordinator, Applied Physiology and Kinesiology</i>
Presenting Candidates for Degrees	Joseph Glover
Conferring of Degrees	David Bloom <i>Member, Board of Trustees</i>
Recognition of Graduates	
Closing Remarks	Kent Fuchs
Alma Mater	Anthony Offerle Faculty Brass Quintet
Recessional and Postlude	

Honorary Degree, Doctor of Science

James Hines

Computer Scientist

James E. Hines has spent the past 40 years developing software and methods for understanding animal population ecology and biometrics. His main areas of impact are population modeling, survival and occupancy estimation, statistical computing, applied statistics, and computational ecology. He earned a bachelor of mathematics degree from the University of Maryland, College Park, in 1979 and has been employed by the U.S. federal government since.

As a computer scientist, Hines has received numerous awards and recognitions, including two of the highest awards from the U.S. Department of the Interior for distinguished and meritorious service. Hines has also earned awards for outstanding publications he co-authored.

Since the early days of computers, Hines has been a leader in developing software for the analysis of wildlife data. His methodological contributions cover a wide range of target parameters, including survival rate, reproductive rate, rates of movement, population size and growth rate, species richness and occupancy, and local rate of extinction and colonization. In addition, he has conducted workshops throughout the world to educate students, wildlife managers and scientists about the ecological software and theory involved. Many of these workshops took place at the University of Florida.

Hines developed and currently maintains a website that provides users with results of the



U.S. Fish and Wildlife Service Breeding Bird Survey. This site is a “go-to” resource for wildlife managers, researchers and bird enthusiasts interested in learning about more than 650 game and non-game bird species. The website also includes a repository of the freely available ecological analysis software, written and/or maintained by Hines.

Developing the ecological software and assisting many undergraduate and graduate students, post-docs, and wildlife professionals with their data analyses have resulted in Hines’s co-authoring three books, eight monographs and more than 200 publications. Although his publication numbers are impressive, Hines gains more satisfaction from helping others with their data analysis problems than appearing as an author.

Distinguished Alumnus

Ira Charles Robinson

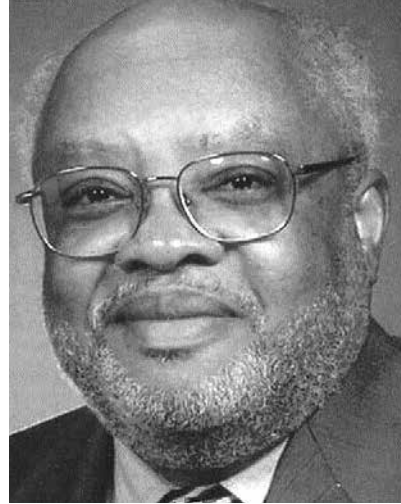
RPh, Ph.D.

Ira Charles Robinson attended Mills High School in Webster, Fla., graduating as valedictorian in 1956. He enrolled at Florida Agricultural and Mechanical University (FAMU) in Tallahassee, earning a Bachelor of Science in Pharmacy degree in 1961. While at FAMU, he served as president of the student body, editor-in-chief of the student newspaper, president of the Great Southeast Region of the United States National Student Association, and member of the Advisory Committee on Higher Education to the governor's commission on race relations.

After practicing pharmacy for two years, he entered the University of Florida College of Pharmacy in 1963 to pursue a doctorate in manufacturing pharmacy. During his time at UF, he was awarded an American Foundation for Pharmaceutical Education fellowship. Dr. Robinson graduated in 1966 as the first African American graduate of the college and the first African American to receive a doctoral degree in any discipline at UF.

After graduation, Dr. Robinson joined Pfizer, Inc., becoming their first African American Ph.D. senior research scientist, research project leader, and technical assistant to the company's vice president for research. In 1969, at the age of 28, Dr. Robinson was appointed dean for the FAMU School of Pharmacy, becoming the youngest dean of a college of pharmacy in the country and the first FAMU alumnus to lead its School of Pharmacy. He remained at FAMU until 1972. In 1973, Dr. Robinson was appointed dean at Howard University's College of Pharmacy, serving until 1978.

After leaving academia, Dr. Robinson pursued entrepreneurial endeavors. He worked with



various federal agencies as an international health consultant, the World Bank, and private firms. He also established specialty pharmacy, manufacturing, and wholesale pharmaceutical businesses. He holds a patent for a novel pharmaceutical product and has written three books.

He has held several leadership positions, including founder and executive director for the National Pharmaceutical Foundation, secretary-treasurer of the Council of Deans of the American Association of Colleges of Pharmacy, state director for the American College of Apothecaries, committee member of the American Institute of the History of Pharmacy, member of the State of Florida Tripartite Committee on Continuing Education for Pharmacists, and served on the statewide Committee on Drug Abuse.

Dr. Robinson is the father of four healthcare professionals, including two pharmacists. His wife, Clarice James, is a former home economics teacher. They reside in the Tampa Bay region.

Commencement Speaker

Joslyn Ahlgren

Ph.D., ACSM C-EP

Joslyn Ahlgren is an instructional professor and the undergraduate program coordinator in the Department of Applied Physiology and Kinesiology (APK) housed in the University of Florida's College of Health and Human Performance. Dr. Ahlgren earned a Bachelor of Science degree in Kinesiology from Kansas State University. She then earned her Ph.D. in physiological sciences at the University of Florida's College of Veterinary Medicine. During her graduate studies, her research focused on regions of the central nervous system involved in the autonomic responses to hemorrhagic shock and the impact of exercise on those brain structures.

Since becoming a faculty member in 2009, Dr. Ahlgren has taught eight different courses to graduate and undergraduate students in APK, developed two new courses for APK, developed and taught two lab-based courses for the University of Florida Online program and has been the driving force behind significant curriculum revisions at the undergraduate level. Dr. Ahlgren attends many teaching and learning workshops, symposia and seminars every year and serves as an informal liaison in the college for faculty and graduate students wishing to enhance their teaching effectiveness. As a testament to her excellence and leadership in both teaching and course design, Dr. Ahlgren has been named Teacher of the Year three times for



her college and was named University of Florida's Teacher of the Year in 2016. Dr. Ahlgren uses her platform in large enrollment courses focused on the human body to promote the ideals of inclusivity, diversity, equity and accessibility. She is a particularly strong advocate for increasing awareness of and access to health and wellness for the trans community.

In addition to her teaching and service duties at UF, Dr. Ahlgren is a certified exercise physiologist through the American College of Sports Medicine and has been teaching fitness classes and training other instructors for more than 20 years. She has been married to her husband (also a fitness enthusiast) for 17 years and they have five children and two kitties.

GRADUATE SCHOOL

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

DOCTOR OF PHILOSOPHY

Khalid Yahya Abolkhair

Major: *Design, Construction and Planning*

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

Dissertation Chair: B. W. Franz

Jared M. Adams

Major: *Sociology*

Dissertation: Revisiting the Academic Caste System: Prestige, Gender, and Inequality in Academic Networks

Dissertation Chair: R. Vacca

Yewande Omolola Addie

Major: *Mass Communication*

Dissertation: A Qualitative Framing Analysis of National Opioid Abuse Coverage in Nigerian Newspapers

Dissertation Chair: J. E. McNealy

Dissertation Co-Chair: M. J. Lee

Ashish Adhikari

Major: *Plant Pathology*

Dissertation: Identification, Epidemiology, Genomics and Biocontrol of *Bipolaris* Species, Pathogens of Crops and Invasive Grasses

Dissertation Chair: E. M. Goss

Dissertation Co-Chair: P. F. Harmon

Jacqueline V. Aenlle

Major: *Agricultural Education and Communication*

Dissertation: An Examination of Podcast Production and Use in Food, Agricultural, Natural Resources, and Human Science Communication and Outreach

Dissertation Chair: J. L. Loizzo

Shubhi Agarwal

Major: *Economics*

Dissertation: U.S. Trade Exposure and Local Labor Market Outcomes

Dissertation Chair: E. Dinopoulos

Dissertation Co-Chair: G. Heins

Mahya Aghaee

Major: *Mathematics*

Dissertation: An Unconstrained Optimization Approach to Singular Control Problems

Dissertation Chair: W. W. Hager

Emmanuel Sunday Ajayi

Major: *Agricultural and Biological Engineering*

Dissertation: Development and Testing of a Dynamic, Mechanistic Heat Stress Models for Ungulates

Dissertation Chair: G. A. Kiker

Dissertation Co-Chair: R. A. Bucklin

Amal Khulaif Al Anazi

Major: *Nursing Sciences*

Dissertation: The Relationships among Health-Promoting Lifestyle Behaviors and Perceived Stress in Women with Early-Stage Breast Cancer over Two Years

Dissertation Chair: D. Lyon

Dissertation Co-Chair: D. Kelly

Ahmed Al Mata'ni

Major: *Curriculum and Instruction*

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

Dissertation Chair: M. R. Coady

Dalal Sami Aldossary

Major: *Nursing Sciences*

Dissertation: Changes in Family Characteristics in People with Sickle Cell Disease or Trait over a Period of Two Years

Dissertation Chair: M. O. Ezenwa

Robert Lowell Aldridge

Major: *Entomology and Nematology*

Dissertation: Interactions of Sublethal Insecticide Exposure to *Aedes aegypti* Infected with Dengue and the Impact on Insecticide Sensitivity

Dissertation Chair: B. W. Alto

Katrina Rachel Alford

Major: *Agricultural Education and Communication*

Dissertation: Exploring the Development of Systems Thinking Paradigms and Typologies of Agricultural and Life Sciences Faculty

Dissertation Chair: T. G. Roberts

Majid Suliman Alhomidan

Major: *Linguistics*

Dissertation: Loanword Adaptation in Najdi Arabic

Dissertation Chair: C. R. Wiltshire

Nouf A. Aljassar

Major: *Political Science*

Dissertation: U.S. Senate Foreign Policy Behavior toward Saudi Arabia, Iran, and Iraq from 2001–2017

Dissertation Chair: B. A. Rosenson

Nader Aljohani

Major: *Electrical and Computer Engineering*

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

Dissertation Chair: A. S. Bretas

Ehsan Amini

Major: *Civil Engineering*

Dissertation: Performance Analysis of Freeway Ramp Weaves and Trajectory Optimization of Connected and Automated Vehicles in These Sections

Dissertation Chair: A. Elefteriadou

Elham Amini

Major: *Pharmaceutical Sciences—Pharmaceutics*

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

Dissertation Chair: G. Hochhaus

Dissertation Co-Chair: J. B. Bulitta

Nicolas Anger

Major: *Forest Resources and Conservation*

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

Dissertation Chair: J. A. Smith

Orlando Rafael Arias

Major: *Electrical and Computer Engineering*

Dissertation: Towards Hardware Assisted Cyber Security

Dissertation Chair: S. Wang

Marliz Arteaga Gómez-García

Major: *Interdisciplinary Ecology*

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

Dissertation Chair: S. G. Perz

William Louis Atkins

Major: *Curriculum and Instruction*

Dissertation: "I Stayed the Course:" Oral Histories of Black College Women and Their Activism during the Black Freedom Struggle at the University of Florida

Dissertation Chair: S. G. Terzian

Aram Babcock

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Evaluation of HER2- Directed Therapies in HER2+ Non-Metastatic Breast Cancer in Women

Dissertation Chair: V. Diaby

Yue Bai

Major: *Statistics*

Dissertation: Multiple Change Points Detection in High-Dimensional Regression Models

Dissertation Chair: A. Safikhani

Taylor Gale Bainter

Major: *Curriculum and Instruction*

Dissertation: An Analysis of Pedagogical Decision-Making in Adapting High School Mathematics Instructional Delivery Methods through the Lens of Teachers, Students, and Administrators

Dissertation Chair: T. L. Adams

Amrita Bandopadhyay

Major: *English*

Dissertation: Stranger Women: Migration, Mobility and the Formation of Indo-Caribbean Women's Writing

Dissertation Chair: L. R. Rosenberg

Jacob Matthew Behrendt

Major: *Mechanical Engineering*

Dissertation: Particle-Resolved Microscale Flows with a Shock

Dissertation Chair: S. Balachandar

Mark McColl Bell

Major: *Counseling and Counselor Education*

Dissertation: Immersion and Mindfulness in Virtual Reality: Evaluating the Roles of Emotion, Attention, and Presence in Virtual Reality Environments

Dissertation Chair: J. Swank

Aftab A. Bhanvadia

Major: *Electrical and Computer Engineering*

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

Dissertation Chair: T. Nishida

Subhradeep Bhar

Major: *Chemistry*

Dissertation: Discovery of Natural Products and Their Biosynthetic Pathways in *C. elegans* Using Untargeted Metabolomics

Dissertation Chair: R. A. Butcher

Sutonuka Bhar

Major: *Microbiology and Cell Science*

Dissertation: Commensal Bacterial Vesicles Production Increase during Norovirus Infection and These Vesicles May Control Norovirus Replication

Dissertation Chair: M. K. Jones

Daniel Adu Boakye

Major: *Horticultural Sciences*

Dissertation: Understanding Citrus Fruit Abscission Mechanisms and Managing Pre-Harvest Fruit Drop in Huanglongbing-Affected Citrus Trees

Dissertation Chair: F. M. Alferez

Jyothi Swaroop Bommidi

Major: *Agricultural Education and Communication*

Dissertation: Understanding Capacities of Community Resilience

Dissertation Chair: S. Galindo

Andrew C. Bonner

Major: *Psychology*

Dissertation: Evaluating the Effects of Behavioral Interventions on Greenhouse Gas Emissions

Dissertation Chair: I. G. DeLeon

Robinson Botero-Arias

Major: *Wildlife Ecology and Conservation*

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

Dissertation Chair: B. A. Loiselle

Dissertation Co-Chair: J. P. Ross

Robert Douglas Botta

Major: *Interdisciplinary Ecology*

Dissertation: Enhancing the Usage of Regional Economic Analyses within Resource Management: Case Studies of Florida Aquatic Resources

Dissertation Chair: E. V. Camp

Dissertation Co-Chair: F. Asche

Andrew V. Brooks

Major: *Physics*

Dissertation: Fundamentals of Charge Transport in Hybrid Perovskite

Dissertation Chair: X. Zhang

Adam V. Bruce

Major: *Physics*

Dissertation: First Principles Without Boundaries: DFT Simulations of Transport and Interface Phenomena

Dissertation Chair: H. P. Cheng

Richard Brust

Major: *History*

Dissertation: The Pompano Boys: How Florida's "Little Scottsboro Case" Led to a Revolution in Criminal Justice

Dissertation Chair: E. R. Dale

Elizabeth R. Burt

Major: *Curriculum and Instruction*

Dissertation: Ecojustice Education and K-12 Schooling Insights from an Interdisciplinary Study Group

Dissertation Chair: E. Bondy

Olivia Caroline Caillouet

Major: *Agricultural Education and Communication*

Dissertation: A Qualitative Study of Cooperative Extension's Use of a Systems Approach Leveraging Land-Grant Universities to Address Complex Issues

Dissertation Chair: A. M. Harder

Gabriel Cardoso Carrero

Major: *Geography*

Dissertation: Frontier Heterogeneity: Development Processes in the Brazilian Amazon

Dissertation Chair: R. T. Walker

Paula Cristina Cardoso Molinari

Major: *Animal Molecular and Cellular Biology*

Dissertation: Influence of Heat Stress on Bovine Uterine Health and Immune Cell Function

Dissertation Chair: J. J. Bromfield

Renato Carvalho

Major: *Plant Pathology*

Dissertation: Novel Approaches for Controlling Plant Pathogenic Bacteria and Viruses and Characterization of Emerging Phytobacteria

Dissertation Chair: M. Paret

Dissertation Co-Chair: J. B. Jones

Ching-Yuan Chang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Endocrine Therapy, Prescription Opioid, and Antidepressant Use among Breast Cancer Survivors

Dissertation Chair: W. J. Lo Ciganic

Amith Adoor Cheenady

Major: *Mechanical Engineering*

Dissertation: High Pressure Response of Boron Carbide: Influence of Polymorphism, Stoichiometry and Crystal Orientation

Dissertation Chair: G. Subhash

Junhong Chen

Major: *Food and Resource Economics*

Dissertation: Three Essays on Consumer Behavior in the Food Value Chain: Analysis of Factors Affecting Grocery Store Selection and Food Choice

Dissertation Chair: Z. Gao

Xianhao Chen

Major: *Electrical and Computer Engineering*

Dissertation: Edge Intelligence: The Convergence of Communications, Computing, and Economics

Dissertation Chair: Y. Fang

Inje Cho

Major: *Health and Human Performance*

Dissertation: The Role of Social Comparison in Aerobic Physical Activity and Sport Event Participation: A Longitudinal Experiment Using a Gamified Mobile Fitness Application

Dissertation Chair: K. Kaplanidou

David W. Christianson

Major: *Materials Science and Engineering*

Dissertation: Design of Magnesium Based Alloys

Dissertation Chair: M. V. Manuel

Brian M. Cicali

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Physiologically Based Pharmacokinetic/Pharmacodynamic Modeling and Pharmacoepidemiologic Applications to Optimizing Macrolide Therapies

Dissertation Chair: S. Schmidt

Dissertation Co-Chair: J. D. Brown

Jennifer L. Clark

Major: *Agricultural and Biological Engineering*

Dissertation: Factors Differentiating Small Scale Farm Operators' Reliance on Risk Planning Information Using a Signal Detection Approach to Planning Decisions under Uncertainty

Dissertation Chair: W. A. Porter

Ezra F. Cockram

Major: *Nuclear Engineering Sciences*

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

Dissertation Chair: A. P. Enqvist

Megan Dance Cogburn

Major: *Anthropology*

Dissertation: Forging Care: Time and the Governance of Pregnancy and Birth in Rural Tanzania

Dissertation Chair: M. T. Østebø

Dissertation Co-Chair: A. E. Strong

Vincent N. Colantonio

Major: *Horticultural Sciences*

Dissertation: Applications of Artificial Intelligence for the Genetic Improvement of Crop Plants

Dissertation Chair: M. F. Ribeiro de Resende Jr.

Bradley Michael Coleman

Major: *Agricultural Education and Communication*

Dissertation: Examining the Effects of Reflection Mode and Transfer Level on Students' Content Knowledge, Post Course Retention, and Transfer Skills While Learning Experientially

Dissertation Chair: J. C. Bunch

Matthew P. Conlin

Major: *Geology*

Dissertation: Assessing Storm-Driven Evolution of Coastal Morphology through the Use and Development of Numerous Observational Techniques

Dissertation Chair: P. N. Adams

Mario Humberto Cortazar Cepeda

Major: *Civil Engineering*

Dissertation: Holistic Assessment of Wastewater Treatment Technologies

Dissertation Chair: K. Hatfield

Ashton E. Creasy-Marrazzo

Major: *Public Health*

Dissertation: The Applied Impact of Host Infection Site Conditions on Antimicrobial Susceptibility: A Focus on Oxygen Availability and Patient Antimicrobial Exposure Using a Clinical Collection of *Vibrio cholerae* Isolates

Dissertation Chair: E. J. Nelson

Samantha Lauren Creel

Major: *Linguistics*

Dissertation: Verb-Particle Constructions in Arabic and English: A Contrastive Corpus Study of Learner and Native Language

Dissertation Chair: S. Wulff

Wesley Cuadrado-Castillo

Major: *Materials Science and Engineering*

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

Dissertation Chair: M. V. Manuel

Danielle Love Cucchiara

Major: *Public Health*

Dissertation: The Protective Effect of Zinc on Cadmium Toxicity in *Daphnia magna* at the Molecular Level: An Examination of Mechanisms

Dissertation Chair: C. D. Vulpe

Kai Cui

Major: *Educational Leadership*

Dissertation: An Examination of the Uneven Distribution of Education Funding from 2007 to 2016 in China

Dissertation Chair: R. C. Wood

Dissertation Co-Chair: L. B. Eldridge

Bryant Frost Davis

Major: *Statistics*

Dissertation: Convergence Complexity Analysis of Markov Chain Monte Carlo Algorithms

Dissertation Chair: J. P. Hobert

Mark Andrew Davison

Major: *Design, Construction and Planning*

Dissertation: Narratives of the Future and Social Equity in Post-Katrina East Biloxi Mississippi

Dissertation Chair: K. E. Larsen

Carolina de Oliveira Jordão

Major: *Interdisciplinary Ecology*

Dissertation: Saving the Rainforest? Experiences of Being and Acting as NGOs in the Amazon

Dissertation Chair: R. J. Buschbacher

Joseph William Dean

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Ahr Is a Key Regulator of Gut Residency, Differentiation of CD8⁺ T Cells, and the Anti-Tumor Immune Response

Dissertation Chair: L. Zhou

Emilie Pauline Demard

Major: *Entomology and Nematology*

Dissertation: Management of Phytophagous Mites in Citrus Under Protective Screen (CUPS)

Dissertation Chair: J. A. Qureshi

Raj Atul Desai

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Optimization of Medication Regimen in Adults with Treated Hypertension: Polypharmacy, Effectiveness and Safety, and Potential Drug-Drug Interactions

Dissertation Chair: S. M. Smith

Dissertation Co-Chair: H. Park

Christian J. Devereux

Major: *Chemistry*

Dissertation: Furthering the Applicability of the ANI Methodology to Thermodynamics and Electrostatics

Dissertation Chair: A. E. Roitberg

Biswadeep Dhar

Major: *Youth Development and Family Sciences*

Dissertation: Shifting Trends in India from 2005–2012: Modernization and Lifestyle Factors Associated with Obesity and Chronic Disease Disparities among Indian Adults

Dissertation Chair: L. J. O'Neal

Dissertation Co-Chair: H. L. Radunovich

Gretchen Ann Dietz

Major: *Environmental Engineering Sciences*

Dissertation: A Narrative Exploration of the Influences of Internship Experiences on the Identities of Black Engineers

Dissertation Chair: E. P. Douglas

William S. Dodd

Major: *Medical Sciences—Physiology and Functional Genomics*

Dissertation: Adropin Protects against Subarachnoid Hemorrhage-Induced Brain Injury and Cerebral Vasospasm via Activation of Endothelial Nitric Oxide Synthase

Dissertation Chair: B. L. Hoh

Samantha Brais Douglas-Higgins

Major: *Psychology*

Dissertation: A Tale of Two Expectations: How Gender Role Expectations Influence Career Aspirations and Well-Being

Dissertation Chair: C. T. Smith

Kristin Nicole Dunn

Major: *Entomology and Nematology*

Dissertation: Investigating the Evolution of Firefly (Coleoptera: Lampyridae) Light Organs through Comparative Morphology

Dissertation Chair: M. A. Branham

Ayobami Simeon Edun

Major: *Electrical and Computer Engineering*

Minor: *Statistics*

Dissertation: Detection of Faults in a Photovoltaic System Using Spread Spectrum Time Domain Reflectometry:
A Data Driven Approach

Dissertation Chair: J. Harley

Alexander Elchesen

Major: *Mathematics*

Dissertation: Universality of the Wasserstein Distances and Relative Optimal Transport

Dissertation Chair: P. Bubenik

Jeremy Elias

Major: *Materials Science and Engineering*

Dissertation: Investigating Organic and Inorganic Additives and Crosslinks in Biomimetic Interpenetrating Composites

Dissertation Chair: J. Allen

Nathaniel W. Ellis

Major: *Plant Molecular and Cellular Biology*

Dissertation: Dissection of the Genetic Regulation of Bioenergy Traits and Disease Resistance in *Populus deltoides* and the
Creation of an ATAC-seq Atlas of Chromatin Accessibility within *Populus* Tissues

Dissertation Chair: M. Kirst

Timothy A. Elmslie

Major: *Physics*

Dissertation: Tuning Metallic Ferromagnets via Pressure and Substitution

Dissertation Chair: J. J. Hamlin

Shanan Natoia Emmanuel

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Characterization of the Interactions of Defensins and Antibodies with AAV Capsids: Development of AAV
Immune Escape Variants

Dissertation Chair: R. McKenna

Diane Chidimma Ezeh Aruah

Major: *Mass Communication*

Dissertation: Improving Maternal and Child Health in Nigeria through Promoting Family Size Limitation to Nigerian Men

Dissertation Chair: K. B. Walsh-Childers

James Joseph Hayward Fahey

Major: *Political Science*

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

Dissertation Chair: B. A. Rosenson

Dissertation Co-Chair: H. M. Alarian

Jack E. Famiglietti

Major: *Mechanical Engineering*

Dissertation: Control of High-Density 3D Cell Culture in Liquid like Solid Microgels

Dissertation Chair: W. G. Sawyer

Jia Fang

Major: *Design, Construction and Planning*

Dissertation: Exploring the Role of the Built Environment in Studying Mode Choice Using a Tour-Based Approach

Dissertation Chair: I. Bejleri

Jessica Alice Farrell

Major: *Zoology*

Dissertation: Assessing Florida Sea Turtle Populations and Their Threats, Including Fibropapillomatosis Disease

Dissertation Chair: D. J. Duffy

Shane Feyers

Major: *Interdisciplinary Ecology*

Dissertation: System Mechanics of Nature-Based Tourism: Producers, Consumers, and Facilitative Actors

Dissertation Chair: T. V. Stein

Ronald L. Fick Jr.

Major: *Computer Engineering*

Dissertation: Robust GANs for Semi-Supervised Classification

Dissertation Chair: P. D. Gader

Dissertation Co-Chair: A. Zare

Quincy Allen Flint

Major: *Electrical and Computer Engineering*

Dissertation: An Analysis of ELF and VLF Radio Impulses Associated with Transient Luminous Events

Dissertation Chair: R. C. Moore

Amanda Franceschini Ghilardi

Major: *Chemistry*

Dissertation: Part 1. Cyclic Thiosulfonate Compounds Active against HER2 and EGFR Overexpressing Breast Cancers; Part 2. Tranexamic Acid and Tranexamic Acid Analogues as Potential Anticancer Agents

Dissertation Chair: R. K. Castellano

Jeremy Arthur Frusco

Major: *Music*

Dissertation: Postcoloniality and Performing Care in the Work of Italian Rapper Ghali

Dissertation Chair: S. Politz

Tamiko Michelle Gaines

Major: *Agricultural Education and Communication*

Dissertation: A Mixed Methods Study Analyzing the Relationships between Florida 4H Agents' Self Efficacy, Intrinsic Motivation and Performance Efficacy during the COVID-19 Pandemic

Dissertation Chair: C. E. Suarez

Ruiliang Gao

Major: *Computer Engineering*

Dissertation: Improving Elasto-Plasticity Modeling and User Interaction for Surgery Simulation

Dissertation Chair: J. Peters

Andrew Ryan Garcia

Major: *Chemical Engineering*

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

Dissertation Chair: K. J. Ziegler

Dissertation Co-Chair: S. Vasenkov

Jan Gay

Major: *Counseling and Counselor Education*

Dissertation: Examining the Relationship between Color-Blind Racial Attitudes, Social Justice Attitudes, Multicultural Competence, and Advocacy Competency among Professional School Counselors

Dissertation Chair: J. Swank

Hernan Carlos Godoy

Major: *Mechanical Engineering*

Dissertation: Modeling and Simulation of the Loss of Stability of Metallic Sheets for Biaxial Loadings

Dissertation Chair: O. Cazacu

Dissertation Co-Chair: B. Revil-Baudard

Tian Gong

Major: *Horticultural Sciences*

Dissertation: Characterizing Tomato Rootstocks and Their Impact on Growth, Yield, and Fruit Quality of Grafted Tomato Plants

Dissertation Chair: X. Zhao

Dissertation Co-Chair: J. K. Brecht

Juan M. Gonzalez

Major: *Plant Molecular and Cellular Biology*

Dissertation: Computer Vision for High Throughput Quantitative Genetics in Sweet Corn

Dissertation Chair: M. F. Ribeiro de Resende Jr.

Benjamin J. Goolsby

Major: *Biomedical Engineering*

Dissertation: Effects of Reward Context in Mouse Posterior Parietal Cortex during an Auditory Categorization Task

Dissertation Chair: K. Oweiss

Max Lewis Greene

Major: *Mechanical Engineering*

Dissertation: Nonsmooth Data-Based Reinforcement Learning for Online Approximate Optimal Control

Dissertation Chair: W. E. Dixon

Kyle B. Griffin

Major: *Agricultural and Biological Engineering*

Dissertation: A Kinetic Model for *Methylosinus trichosporium* OB3b Utilization of Synthetic Food Waste-Derived Biogas for Growth and Polyhydroxybutyrate Production

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-Chair: S. A. Svoronos

Yi Gu

Major: *Mathematics*

Dissertation: Degree Counting Theorems and Blow-Up Analysis for Singular Liouville Systems

Dissertation Chair: L. Zhang

Alexandra Grace Gulick

Major: *Zoology*

Dissertation: Green Turtle Grazing Dynamics and Foraging Behavior in Caribbean Seagrass Ecosystems

Dissertation Chair: K. A. Bjorndal

Jing Guo

Major: *Nutritional Sciences*

Dissertation: Development of an Amino Acid Based Oral Rehydration Solution with Minimal Anion Secretory Function

Dissertation Chair: S. Vidyasagar

Cody R. Gusto

Major: *Agricultural Education and Communication*

Dissertation: Nutrition Incentive Programming in a Post-COVID World: Assessing Practitioner Resilience through a Consensus Framework

Dissertation Chair: J. M. Diaz

David Walker Hagan

Major: *Biomedical Engineering*

Dissertation: A New Model for Islet GABA Secretion and Its Effects

Dissertation Chair: E. A. Phelps

Sangyoung Han

Major: *Civil Engineering*

Dissertation: Testing and Analysis Methodologies for Florida Concrete Test Road

Dissertation Chair: M. Tia

Yi Han

Major: *Agricultural and Biological Engineering*

Dissertation: Machine Learning and Deep Learning Methods for Environmental Modeling

Dissertation Chair: N. A. Bliznyuk

Natya Hans

Major: *Botany*

Dissertation: Statistical and Genomic Perspectives on Diversification

Dissertation Chair: J. G. Burleigh

Kira Maryann Hansen

Major: *Agricultural and Biological Engineering*

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

Dissertation Chair: S. Shukla

Taylor A. Harmon

Major: *Chemistry*

Dissertation: Utilizing Novel Hydrophilic Interaction and Microflow Liquid Chromatography Techniques to Expand Metabolomic Coverage in LC-MS Biomarker Discovery and Quantitation

Dissertation Chair: R. A. Yost

Hasibul Hasan

Major: *Biostatistics*

Dissertation: Bayesian Inference for Continuous-Time Transmission Processes of Infectious Diseases in Close Contact Groups

Dissertation Chair: Y. Yang

Emily Winesett Helm

Major: *Medical Sciences—Immunology and Microbiology*

Dissertation: Using a Novel Neonatal Mouse Model to Elucidate Mechanisms of Norovirus-Induced Diarrhea

Dissertation Chair: S. M. Karst

Rebecca Rose Henderson

Major: *Anthropology*

Dissertation: Cancer and Crisis: Time, Knowledge, and Violence in Haitian Oncology

Dissertation Chair: A. E. Strong

Maria Guadalupe Hernandez Gonzalez

Major: *Romance Languages—Spanish*

Dissertation: *Petro-indígena: Energopoder y petrocultura en textos y proyectos folklóricos Mexicanos durante los siglos 20 y 21*

Dissertation Chair: E. A. Hind

Eric Andrew Heumann

Major: *Music*

Dissertation: An Analysis of Contrasting Programmatic Techniques in *Éclairs sur l'au-delà* by Olivier Messiaen and *The Apocalypse* by John Tavener

Dissertation Chair: P. S. Richards

Alexander J. Hoffman

Major: *Chemical Engineering*

Dissertation: Using Probe Species and Reactions to Study Catalyst Active Site Structures and Develop Density Functional Theory Models

Dissertation Chair: D. Hibbitts

Joseph Michael Hoft

Major: *Criminology, Law, and Society*

Dissertation: Decision Making in A Legal Case

Dissertation Chair: J. Lane

Dissertation Co-Chair: L. M. Levett

Nicholas T. Homziak

Major: *Entomology and Nematology*

Dissertation: Evolution of Hindwing Color in Underwing Moths

Dissertation Chair: A. Kawahara

Chu Jane Hsiao

Major: *Anthropology*

Dissertation: A Biocultural Approach to Understanding How Psychosocial Stress Can Become Biologically Embedded to Affect Health

Dissertation Chair: C. J. Mulligan

Chu Hsu

Major: *Coastal and Oceanographic Engineering*

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

Dissertation Chair: Maitane L. Olabarrieta

Honggang Hu

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

Dissertation: Three Essays on Retail and Platform Operations

Dissertation Chair: X. Pan

Dissertation Co-Chair: T. Rajapakshe

Xinzhe Hu

Major: *Physics*

Dissertation: Thermodynamics, Magnetism and Phase Transitions of the Frustrated Pyrochlore Ferromagnet $\text{Yb}_2\text{Ti}_2\text{O}_7$ and the Field-Induced Kitaev Quantum Spin Liquid $\alpha\text{-RuCl}_3$

Dissertation Chair: Y. Takano

Yue Hu

Major: *Chemistry*

Dissertation: DNA in Plasmon-Mediated Photochemistry

Dissertation Chair: W. Wei

Yi Huang

Major: *Plant Pathology*

Dissertation: Evaluation of β -Nicotinamide Adenine Dinucleotide for the Potential to Manage Powdery Mildew on Squash and Halo Blight on Snap Bean

Dissertation Chair: S. Zhang

Dissertation Co-Chair: Z. Mou

Joshua A. Hull

Major: *Medical Sciences—Biochemistry and Molecular Biology*

Dissertation: Investigation of Trafficking and Egress of AAV2

Dissertation Chair: R. McKenna

Haekyung Im

Major: *Design, Construction and Planning*

Minor: *Statistics*

Dissertation: ML-Based Prediction of Urban Residential Buildings' Electricity Consumption Owing to Climate Change for Gainesville, Florida

Dissertation Chair: R. S. Srinivasan

K.D. Lynnae Jacobs

Major: *Public Health*

Dissertation: Addressing Vaccine Hesitancy in Minoritized Racial and Ethnic Communities: An Examination of COVID-19 Vaccine Confidence in Black Adults within the United States

Dissertation Chair: J. L. Pomeranz

Anuj Jain

Major: *Computer Engineering*

Dissertation: Algorithms for Large Graphs

Dissertation Chair: S. K. Sahni

Vineet Kumar Jakhar

Major: *Chemistry*

Dissertation: Synthesis and Characterization of Tethered Alkylidene Complexes for Ring Expansion Metathesis Polymerization

Dissertation Chair: A. S. Veige

Julie Frances Jameson

Major: *Chemical Engineering*

Dissertation: In Vitro and In Vivo Degradation of Silk Biomaterials

Dissertation Chair: W. L. Stoppel

Hye Ryeon Jang

Major: *Political Science*

Dissertation: China's Energy Mercantilism, Asymmetric Trade Dependence, and the Escalation of Its Militarized Maritime Disputes

Dissertation Chair: I. Oren

Kalene Rose Jasso Johnson

Major: *Medical Sciences—Neuroscience*

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

Dissertation Chair: J. C. McIntyre

Arun Prasad Javvaji

Major: *Electrical and Computer Engineering*

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

Dissertation Chair: N. Maghari

Ramesh Jayaraman

Major: *Materials Science and Engineering*

Dissertation: Synthesis and Purification of Carbon Nanotubes and Their Use in Display Applications

Dissertation Chair: K. S. Jones

Dissertation Co-Chair: B. P. Gila

Mary E. Jeghers

Major: *Rehabilitation Science*

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

Dissertation Chair: S. M. Winter

Dissertation Co-Chair: S. Classen

Remy E. Jennings

Major: *Business Administration—Management*

Dissertation: Leaders as Translators: The Double-Edged Sword of Leader Vision Translation at Work

Dissertation Chair: K. Lanaj

Chao Jiang

Major: *Electrical and Computer Engineering*

Dissertation: Optimization of FPGA-Based Deep Learning Accelerator for Heterogeneous Computing

Dissertation Chair: H. Lam

Wenguang Jiang

Major: *Physics*

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

Dissertation Chair: Y. Lee

Nicholas S. Johnston

Major: *Entomology and Nematology*

Dissertation: Biological Cues Associated with the Management of Silverleaf Whitefly (*Bemisia tabaci* Gennadius) in Vegetables

Dissertation Chair: X. P. Martini

Suman Raja Jumani

Major: *Soil and Water Sciences*

Dissertation: River Fragmentation: Quantification, Empirical Validation, and Implications for Conservation

Dissertation Chair: M. Deitch

Youssef Omar Kaddoura

Major: *Forest Resources and Conservation*

Dissertation: Georeferencing PhenoCam Images for Multi-Modal Fusion with Geospatial Data

Dissertation Chair: B. E. Wilkinson

Dissertation Co-Chair: E. N. Broadbent

Min Ji Kang

Major: *English*

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

Dissertation Chair: M. J. Schueller

Armand Kapllani

Major: *Economics*

Dissertation: Three Essays in Partial Identification

Dissertation Chair: H. H. Sandoval

Meserret Karaca

Major: *Industrial and Systems Engineering*

Dissertation: Pattern Mining and Anomaly Detection on Multivariate Discrete Sequential Data

Dissertation Chair: M. M. Alvarado

Dissertation Co-Chair: P. M. Pardalos

Mary Mai Kasper

Major: *Biomedical Engineering*

Dissertation: Engineering Bioactive Hyaluronan-Based Hydrogel Scaffolds for Peripheral Nerve Applications

Dissertation Chair: C. E. Schmidt

Jack P. Kennedy

Major: *Medical Sciences—Neuroscience*

Dissertation: Movement Related Changes in Cortical Local Field Potentials

Dissertation Chair: A. P. Maurer

Emily S. Khazan

Major: *Interdisciplinary Ecology*

Dissertation: Thermal, Community, and Microbial Ecology of Butterflies of the Colombian Andes

Dissertation Chair: J. C. Daniels

Dissertation Co-Chair: B. A. Loiselle

Chaejin Kim

Major: *Pharmaceutical Sciences—Pharmaceutics*

Minor: *Computer Science*

Dissertation: Application of Quantitative Pharmacology Approaches to Solve Complex Drug Development Problems

Dissertation Chair: V. Vozmediano Esteban

MinJi Kim

Major: *Mass Communication*

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

Dissertation Chair: Y. Lee

Alexander M. Knapp

Major: *Mechanical Engineering*

Dissertation: Predicting Localized Damage of the Anterior Cruciate Ligament and Its Effects via Finite Element Analysis

Dissertation Chair: L. N. Williams

Richard Otto Krogman

Major: *Mathematics*

Dissertation: Injection Structures Specified by Finite State Machines

Dissertation Chair: D. A. Cenzler

Soham A. Kulkarni

Major: *Physics*

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

Dissertation Chair: G. Mueller

Ravi A. Kumar

Major: *Health and Human Performance*

Dissertation: Radicals in the Respiratory Muscle: How Reactive Oxygen Species Alter Diaphragm Function in Health and Disease

Dissertation Chair: L. F. Ferreira

Hajime Guillermo Kurita Oyamada

Major: *Veterinary Medical Sciences*

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

Dissertation Chair: N. D. Denslow

Daniel Kutor

Major: *Mathematics*

Dissertation: Applications of Recommendation Systems to Teaching and Learning

Dissertation Chair: C. Ngonghala

Samuel Kwakye

Major: *Soil and Water Sciences*

Dissertation: Evaluation of Varying Rates of Selected Macro- and Micro- Nutrients, and Water Use in HLB-Affected Citrus Trees in Florida

Dissertation Chair: D. M. Kadyampakeni

Behshad Lahijanani

Major: *Industrial and Systems Engineering*

Dissertation: Stochastic Programming Models, Algorithms, and Analysis for Risk-Averse Decision-Making in Healthcare

Dissertation Chair: M. M. Alvarado

Jeongwoo Lee

Major: *Economics*

Dissertation: The Economics of Ridehailing: Contemporary Issues on Taxis and Transportation Network Providers

Dissertation Chair: J. H. Hamilton

Kyung-hwan Lee

Major: *Physics*

Dissertation: Probing the Origin of R-Process Nucleosynthesis with Radio Flares

Dissertation Chair: I. Bartos

Susanna Shinmyung Lee

Major: *Mass Communication*

Dissertation: Can Soothing ASMR Advertising Reduce Advertising Avoidance? Experimental Investigations of the Influence of Endorser and Modality Type on Advertising Effectiveness

Dissertation Chair: B. K. Johnson

Dissertation Co-Chair: T. A. Kelleher

Joss D. Leehan

Major: *Microbiology and Cell Science*

Dissertation: Effect of Environment on the Evolution of Rifampicin-Resistance in *Bacillus subtilis*

Dissertation Chair: W. L. Nicholson

Satit Leelathawornchai

Major: *English*

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

Dissertation Chair: R. Maioli

Jiajun Lei

Major: *Chemistry*

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

Dissertation Chair: R. A. Yost

Dissertation Co-Chair: M. E. Merritt

Benjamin C. Letson

Major: *Aerospace Engineering*

Dissertation: Assessment and Enhancement of Deep UV LED Reliability for Long Duration Space Missions

Dissertation Chair: J. Conklin

Amanda N. Lewis

Major: *Criminology, Law, and Society*

Dissertation: Beyond the Bars—Exploring the Lives of Exonerees and Their Loved Ones as They Cope with Miscarriages of Justice

Dissertation Chair: L. M. Levett

Dissertation Co-Chair: M. Ardel

Sheng-Yang Li

Major: *Horticultural Sciences*

Dissertation: Modulated Effect of Plant Growth Regulator Application, Root-Shoot Balance and Source: Sink on Flush Phenology in Citrus

Dissertation Chair: C. I. Vincent

Chunyao Liu

Major: *Design, Construction and Planning*

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

Dissertation Chair: E. K. Cunningham

Mengfei Liu

Major: *Curriculum and Instruction*

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

Dissertation Chair: E. J. de Jong

Mingjin Liu

Major: *Biostatistics*

Dissertation: Analytic Methods for Infectious Diseases Transmission Dynamics Based on Surveillance Data and Genetic Data

Dissertation Chair: Y. Yang

Dissertation Co-Chair: S. Datta

Sitong Liu

Major: *Chemical Engineering*

Dissertation: Design of Inorganic Nanoparticles for Imaging Agents Including Magnetic Particle Imaging and Computed Tomography

Dissertation Chair: C. Rinaldi-Ramos

Yikan Liu

Major: *Agricultural and Biological Engineering*

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

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-Chair: S. A. Svoronos

Lindsay Ann Lloveras

Major: *Psychology*

Dissertation: An Evaluation of the Relation between Sleep and Problem Behavior in Children with Autism Spectrum Disorder

Dissertation Chair: T. R. Vollmer

Xiyao Ma

Major: *Electrical and Computer Engineering*

Dissertation: Deep Representation Learning in Question Answering and Item Recommendation

Dissertation Chair: D. Wu

Sabrina L. Macias

Major: *Biomedical Engineering*

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

Dissertation Chair: B. G. Keselowsky

Ian G. Malone

Major: *Electrical and Computer Engineering*

Dissertation: Electrical Epidural Stimulation: Engineered Respiratory Neuroplasticity after Spinal Cord Injury

Dissertation Chair: K. Otto

Dissertation Co-Chair: E. A. Dale

Ushnish Mandal

Major: *Chemistry*

Dissertation: New Ligands for Tuning Metal-Carbon Multiple Bonds

Dissertation Chair: A. S. Veige

Marcus Vinicius Marin

Major: *Plant Pathology*

Dissertation: Biology and Management of *Phytophthora* Diseases of Strawberry

Dissertation Chair: N. A. Peres

Joshua L. Martin

Major: *Linguistics*

Dissertation: Automatic Speech Recognition Systems, Spoken Corpora, and African American Language: An Examination of Linguistic Bias and Morphosyntactic Features

Dissertation Chair: F. McLaughlin

Jose Ismael Martinez

Major: *Entomology and Nematology*

Dissertation: Discovering the Origins of the Noctuid Moths and Systematics of Pantheid Moths (Lepidoptera: Noctuoidea)

Dissertation Chair: J. Y. Miller

Vladimir Augusto Martinez

Major: *Physics*

Dissertation: Infrared Studies of Thermal and Dilute Impurities in High-Purity Silicon

Dissertation Chair: D. B. Tanner

Brittani Ann Maskley

Major: *Materials Science and Engineering*

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

Dissertation Chair: M. V. Manuel

Joel John Mathias

Major: *Electrical and Computer Engineering*

Dissertation: Balancing the Power Grid with Distributed Control of Flexible Loads

Dissertation Chair: S. P. Meyn

Sarah Elizabeth Mays Maestas

Major: *Entomology and Nematology*

Dissertation: Wildlife and Public Health: Understanding Vector-Borne Zoonosis in Urban Settings, and a Method for Large-Scale Tick-Borne Pathogen Surveillance

Dissertation Chair: P. E. Kaufman

Molly Jean McDougle

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Macronutrient Signaling in the Gut-Brain Axis

Dissertation Chair: G. De Lartigue

Casey S. McKinney

Major: *Materials Science and Engineering*

Dissertation: Linking Three-Dimensional Fission Product Structures and Performance in Oxide Nuclear Fuels

Dissertation Chair: A. Aitkaliyeva

Zachary Perry McNiece

Major: *Counseling and Counselor Education*

Dissertation: Ripples in Sand and Time: Intergenerational Trauma in Queer Communities

Dissertation Chair: A. Puig

Russell W. Mellen

Major: *Medical Sciences—Genetics*

Dissertation: Development of an AAV-CRISPR/Cas9-Based Therapy for the Treatment of a Dominant Cone-Rod Dystrophy

Dissertation Chair: S. E. Boye

Octavio Augusto Menocal Sandoval

Major: *Entomology and Nematology*

Dissertation: Hidden Life-History Traits of an Ambrosia Beetle

Dissertation Chair: D. Carrillo

Carla Milagros Mere Roncal

Major: *Forest Resources and Conservation*

Dissertation: Unraveling the Mechanisms of Tinamous Co-Occurrence in an Amazonian Landscape

Dissertation Chair: E. N. Broadbent

Robert Louis Mermer II

Major: *Political Science*

Dissertation: Legislating for the Moral Economy of the Working Class: Economic Inequality, Labor, and Representation

Dissertation Chair: L. C. Dodd

Dissertation Co-Chair: M. D. Martinez

Leandra Mae Merz

Major: *Geography*

Minor: *Wildlife Ecology and Conservation*

Dissertation: Coupled Human and Wildlife Systems in Southern Africa

Dissertation Chair: B. A. Child

Dissertation Co-Chair: J. Southworth

Paula Giselle Mondragon

Major: *Microbiology and Cell Science*

Dissertation: Stress Proteins in Archaea: The Role of Targeted Proteins in Resistance to Oxidative Stress in *Haloferax volcanii*

Dissertation Chair: J. A. Maupin

Pamela Montero Alvarez

Major: *Interdisciplinary Ecology*

Dissertation: Conservation Strategies in the Contemporary Amazon: Community-Based Tourism, Networks, and Actions Among Conservation Organizations

Dissertation Chair: S. G. Perz

Dissertation Co-Chair: A. Almeyda

Urbashi Mookerjee

Major: *Economics*

Dissertation: Three Essays on E-Commerce and the Local U.S. Economy

Dissertation Chair: J. H. Hamilton

Elizabeth Duermit Moreau

Major: *Fisheries and Aquatic Sciences*

Dissertation: Effects of Life History, Fishing Pressure, and Changing Environmental Conditions on Parasite Species Richness in Fished Decapod Crustaceans

Dissertation Chair: D. C. Behringer Jr.

Priscilla Vanessa Moreno Bell

Major: *Curriculum and Instruction*

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

Dissertation Chair: S. G. Terzian

Pablo Moreno Garcia

Major: *Interdisciplinary Ecology*

Dissertation: Variation in Plant-Pollinator and Host-Parasite Networks along Spatial and Temporal Gradients

Dissertation Chair: B. H. Baiser

Kartik Motwani

Major: *Medical Sciences—Neuroscience*

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

Dissertation Chair: B. L. Hoh

Sourav Mukherjee

Major: *Statistics*

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

Dissertation Chair: K. Khare

Dissertation Co-Chair: R. K. Patra

Roberto Gerardo Munoz-Pando

Major: *Anthropology*

Dissertation: Archaeology of Money in Colonial Puerto Rico

Dissertation Chair: C. McCarty

Christopher Michael Muntzner

Major: *Linguistics*

Dissertation: Nominal Elements in Khoekhoe

Dissertation Chair: B. M. Henderson

Mohammed Mustapha

Major: *Anthropology*

Dissertation: An Archaeological Investigation into the Practice of Ironworking at Nasia and Its Implications on Social Continuity and Change in the Mamprugu State of Northern Ghana

Dissertation Chair: K. E. Sassaman Jr.

Dissertation Co-Chair: B. H. Chalfin

Keerthiraj Nagaraj

Major: *Electrical and Computer Engineering*

Dissertation: Graph and Machine Learning Solutions for Cyber Physical System Security Applications

Dissertation Chair: J. Y. McNair

James Robert Nance III

Major: *Materials Science and Engineering*

Dissertation: The Relationship between Microstructural Heterogeneity and Strength Variation in SiC/SiC Composites

Dissertation Chair: G. Subhash

Aravind Neelakantan

Major: *Electrical and Computer Engineering*

Dissertation: System-Level Modeling and Simulation of Extreme Heterogeneous HPC Systems

Dissertation Chair: H. Lam

July Dayane Nelson

Major: *Agricultural Education and Communication*

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

Dissertation Chair: S. Galindo

Masashi Otani

Major: *Curriculum and Instruction*

Dissertation: Students' Perspectives on Their Curriculum Reflected in the Textbook and Classroom Activities at Japanese *Hoshuko* in America

Dissertation Chair: E. J. de Jong

Torrian Marcus Pace

Major: *Political Science*

Dissertation: Orthodox Requires Paradox: Causes and Consequences of Oversight of the FBI — 1976–2008

Dissertation Chair: B. A. Rosenson

Dissertation Co-Chair: R. S. Conley

Kaylie Allyson Padgett-Pagliai

Major: *Microbiology and Cell Science*

Dissertation: The Role of LotP in '*Candidatus Liberibacter asiaticus*' Pathogenicity and Bacterial Persistence

Dissertation Chair: C. F. Gonzalez

Sergio Eduardo Padilla Paz

Major: *Interdisciplinary Ecology*

Dissertation: Population Ecology and Human Dimensions of Morelet's Crocodile Conservation in Southeast Mexico

Dissertation Chair: S. A. Johnson

Jeehoon Paik

Major: *Economics*

Dissertation: Essays on Economic Studies about South Korea

Dissertation Chair: J. H. Hamilton

Digvijayee Pal

Major: *Chemistry*

Dissertation: Functional and Topological Polymers

Dissertation Chair: B. S. Sumerlin

Lindsey Shannon Palm-Vlasak

Major: *Mechanical Engineering*

Dissertation: Evaluating Design and Function of Total Knee Arthroplasty: In Vivo And Computational Studies

Dissertation Chair: S. A. Banks

Seyeon Hwang Park

Major: *Design, Construction and Planning*

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

Dissertation Chair: C. Silver

Dissertation Co-Chair: K. E. Larsen

Arianna Jasmin Partow

Major: *Agricultural and Biological Engineering*

Dissertation: Fabrication of Multifunctional & Crosslinked Biocomposites from Low-Cost Natural Polymers and Their Applications

Dissertation Chair: M. J. Correll

Dissertation Co-Chair: K. C. Jeong

Krishna Praful Patel

Major: *Chemistry*

Dissertation: Structural and Biochemical Investigations of Ribosomal Peptide Natural Product Biosynthesis

Dissertation Chair: S. D. Bruner

Smit Patel

Major: *Biomedical Engineering*

Dissertation: Engineering an In Vitro Pancreatic Islet Niche

Dissertation Chair: C. Stabler

Shubhra Deb Paul

Major: *Electrical and Computer Engineering*

Dissertation: Electronic Device Authentication by Exploiting Intrinsic Variations: An Experimental Approach

Dissertation Chair: S. Bhunia

Melissa Sue Pearman Fenton

Major: *Youth Development and Family Sciences*

Dissertation: Social Development among Rural Young Adults: A Person-Centered Approach Examining Adult Social Roles and Transitions

Dissertation Chair: L. F. Forthun

Joshua K. Peebles

Major: *Electrical and Computer Engineering*

Dissertation: Connecting the Past and the Present: Histogram Layers for Texture Analysis

Dissertation Chair: A. Zare

Veronica C. Perez

Major: *Plant Molecular and Cellular Biology*

Dissertation: Analysis of Aldoxime-Mediated Metabolic Network in Brassicales and Monocots

Dissertation Chair: J. J. Kim

Seaska Ineabelle Pérez Avilés

Major: *Civil Engineering*

Dissertation: Experimental and Analytical Evaluation of the Flexural Capacity of Concrete Elements with Unbonded and Bonded Prestressing

Dissertation Chair: G. R. Consolazio

Dissertation Co-Chair: H. R. Hamilton

Zhenhao Piao

Major: *Business Administration—Accounting*

Dissertation: Investor-Firm Private Interactions and Informed Trading: Evidence from New York City Taxi Patterns

Dissertation Chair: W. R. Knechel

Tania Pineda Enriquez

Major: *Zoology*

Dissertation: Diversity and Evolution of Brittle Stars across the Worlds Ocean: Revisionary Systematics of Ophirolepidoids

Dissertation Chair: G. Paulay

Janny Pineiro Llanes

Major: *Biomedical Engineering*

Dissertation: Influence of Extracellular Matrix on Mitochondrial Function and Myogenesis

Dissertation Chair: C. Simmons

Nancy Pinzon-Acevedo

Major: *Romance Languages—Spanish*

Dissertation: *El humor y el dolor, las dos caras de una misma moneda. Literatura y film transatlántico: Argentina, Colombia e Italia*

Dissertation Chair: M. E. Sorbille

Taylor Anne Polvadore

Major: *Anthropology*

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

Dissertation Chair: D. Daegling

Christine E. Pourciau

Major: *Microbiology and Cell Science*

Dissertation: CsrA Supports *Escherichia coli* Growth by Repressing Disadvantageous Expression of Stress Responses

Dissertation Chair: T. Romeo

Heng Qiao

Major: *Electrical and Computer Engineering*

Dissertation: Anomaly Detection and Its Applications

Dissertation Chair: D. Wu

Yufan Sunny Qin

Major: *Mass Communication*

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

Dissertation Chair: M. DiStaso

Hooman Rafrat

Major: *Music*

Dissertation: Differential Music: Automated Music Generation Using LSTM Networks with Representation Based on Melodic and Harmonic Intervals

Dissertation Chair: J. P. Sain

Moein Rajaei

Major: *Zoology*

Dissertation: The Rate and Spectrum of Spontaneous Mutation in Two Strains of *Caenorhabditis elegans*

Dissertation Chair: C. Baer

Allison Wynne Raper

Major: *Art History*

Dissertation: The Blessed Sinner beneath the Cross: Francesco Di Vannuccio's *Croce Dipinta*, Mary Magdalene, and the Black Death in Late-Trecento Siena

Dissertation Chair: E. Ross

Riley Alina Ravary

Major: *Anthropology*

Dissertation: The Forest for the Trees: State Logics and Environmental Protection in Uganda

Dissertation Chair: B. H. Chalfin

Dissertation Co-Chair: C. M. Tucker

Julián Alejandro Rey

Major: *Mechanical Engineering*

Dissertation: Image-Based Computational Models of Tumor Mechanics and Perivascular Mass Transport in the Rat Brain

Dissertation Chair: M. Sarntinoranont

Shannan N. Rich

Major: *Epidemiology*

Dissertation: Social-Behavioral and Phylogenetic Network Dimensions of HIV Transmission in Florida

Dissertation Chair: R. L. Cook

Dissertation Co-Chair: M. Proserpi

Kyra Amarens Rietveld

Major: *Art History*

Dissertation: Iconography of the Cult of Artemis in the Greek Classical and Imperial Periods

Dissertation Chair: A. E. Jones

Angelie Marie Rivera Rodríguez

Major: *Biomedical Engineering*

Dissertation: Biomedical Application of Iron Oxide Magnetic Nanoparticles for Cancer Treatment and Immune Cell Tracking

Dissertation Chair: C. Rinaldi-Ramos

Erick J. Rodriguez

Major: *Entomology and Nematology*

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

Dissertation Chair: M. A. Branham

Francisca Javiera Rudolph

Major: *Zoology*

Dissertation: Ecological Consequences of Individual Variation in Animal Movement: A Modeling Approach

Dissertation Chair: J. M. Ponciano Castellanos

Dissertation Co-Chair: B. A. Loiselle

Sayran Salim Saber

Major: *Zoology*

Dissertation: The Effects of Spontaneous Mutation on the Response of *Caenorhabditis elegans* to Environmental Stimuli

Dissertation Chair: C. Baer

Hoda Safari Yazd

Major: *Chemistry*

Dissertation: Multi-Omics and Artificial Intelligence in Rare and Overlooked Disorders

Dissertation Chair: R. A. Yost

Dissertation Co-Chair: T. J. Garrett

Addelynn Sonia Sagadevan

Major: *Genetics and Genomics*

Dissertation: A Multi-Transgene Gene Immunotherapy Treatment for Multiple Sclerosis in Combination with Current Disease Modifying Therapies

Dissertation Chair: B. E. Hoffman

Natalia del Rocío Salinas Aponte

Major: *Horticultural Sciences*

Dissertation: Characterization of a Major Locus and Discovery of Candidate Genes Responsible of Resistance to *Colletotrichum acutatum* in Cultivated Strawberry (*Fragaria x ananassa*)

Dissertation Chair: V. M. Whitaker

Carola Tatiana Sanchez

Major: *Agricultural and Biological Engineering*

Dissertation: Techno-Economic Analysis of Cultivation and Recovery of Exopolysaccharides (EPSs) Produced by Saline Cyanobacteria Species BG0011

Dissertation Chair: P. C. Pullammanappallil

Dissertation Co-Chair: S. A. Svoronos

Saroop S. Sandhu

Major: *Agronomy*

Minor: *Soil and Water Sciences*

Dissertation: Evaluating the Adaptation of Industrial Hemp (*Cannabis sativa*) as an Agronomic Crop in South Florida

Dissertation Chair: H. S. Sandhu

Bhagatveer Singh Sangha

Major: *Agricultural and Biological Engineering*

Dissertation: Evaluating Food Hubs as Alternative Food Systems in North Central Florida

Dissertation Chair: J. A. Watson

Dissertation Co-Chair: G. A. Kiker

Amir Sarayani Bafghi

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Pharmacotherapy for Obesity: Evaluation of Drug Safety and Risk Mitigation Strategy

Dissertation Chair: A. G. Winterstein

Paul T. Schwartz

Major: *Mathematics*

Dissertation: Galois Scaffolds and Galois Module Structure for Certain Totally Ramified Extensions of Local Fields

Dissertation Chair: K. P. Keating

Jamie M. Scott

Major: *Mathematics*

Dissertation: LS-Category and the Topological Complexity of Maps

Dissertation Chair: A. N. Dranishnikov

Alan E. Secor

Major: *Economics*

Dissertation: Class Size Reduction in Florida's Public K to 12 Schools

Dissertation Chair: R. E. Romano

Molly C. Selba

Major: *Anthropology*

Dissertation: Facial Reduction across Three Representative Taxa: A Geometric Morphometric Approach

Dissertation Chair: V. B. DeLeon

Ambika Shakya

Major: *Physics*

Dissertation: Non-Uniform Electric Field Effects on Dynamically Phase Separated Manganites

Dissertation Chair: A. Biswas

Yiduo Shao

Major: *Business Administration—Management*

Dissertation: Engaging the Aging Workforce: Examining Multiple Mechanisms Linking Age to Work Engagement and Age-Related HR Practices as Moderators

Dissertation Chair: M. Wang

Kun Shi

Major: *Physics*

Dissertation: Search for Z' Gauge Boson Using Z to 4 Muons Decay Mode in Proton-Proton Collision by Full Run II Data from Compact Muon Solenoid Detector in Large Hadron Collider

Dissertation Chair: P. R. Avery

Dissertation Co-Chair: D. E. Acosta

Jieon Shim

Major: *Economics*

Dissertation: Essays in Public Economics

Dissertation Chair: S. M. Slutsky

Mirela Silva

Major: *Electrical and Computer Engineering*

Dissertation: Addressing Cyber Deception and Abuse from a Human Factors Perspective

Dissertation Chair: D. S. Oliveira

Michele Lynn Singer

Major: *Rehabilitation Science*

Dissertation: The Hypoglossal Motor System: Studies of Neuropathology and Adeno-Associated Virus Mediated Therapy

Dissertation Chair: D. Fuller

Devender Singh

Major: *Chemistry*

Dissertation: Synthesis of Diiron Clusters Decorated by Hydride, Sulfide and Carbonyl Bridges: Their Application in Small Molecule Activation

Dissertation Chair: L. J. Murray

Khushboo Sinha

Major: *Chemistry*

Dissertation: Solvent Mediated Thermodynamic Phase Stability in Families of Two-Dimensional Layered Compounds

Dissertation Chair: D. R. Talham

Dylan Joseph Sinnickson

Major: *Fisheries and Aquatic Sciences*

Dissertation: Modeling the Relationship between River Discharge and Environmental Factors on Estuarine Fish Communities in the Suwannee River Estuary

Dissertation Chair: D. D. Chagaris

Dissertation Co-Chair: M. S. Allen

Andressa Arana Sleiman

Major: *Psychology*

Dissertation: An Evaluation of Teach-Back Acceptability and Effectiveness

Dissertation Chair: N. E. Gravina

Joshua Tyler Smith

Major: *Mathematics*

Dissertation: Modeling the Impact of Broadly Neutralizing Antibody Therapy on Chronic HIV Infection

Dissertation Chair: L. Rong

Ryan Andrew Smolchek

Major: *Mechanical Engineering*

Dissertation: Perfusion-Enabled Three-Dimensional Cell Culture Devices and Their Applications in Pancreatic Pathology

Dissertation Chair: W. G. Sawyer

Oswald Paul Sobrino

Major: *Classical Studies*

Dissertation: Seneca and Paul Embrace Slavery under Nero's Regime: Politics as Context

Dissertation Chair: V. L. Yates

Max D. Sommer

Major: *Curriculum and Instruction*

Minor: *Research and Evaluation Methodology*

Dissertation: A Metacognitive Approach to Foster the Development of Credibility Assessment Skills in Undergraduate Learners

Dissertation Chair: A. D. Ritzhaupt

Carolyn Souza Fonseca da Silva

Major: *Curriculum and Instruction*

Dissertation: Miami's Forgotten Brazilians: Racialization and the Politics of Exclusion of Afrobrazilians in South Florida

Dissertation Chair: C. L. Busey

Sara Jeanne Sprunk

Major: *Classical Studies*

Dissertation: Bird Discourse: Augury and Prophetic Birds in Livy's *Ab Urbe Condita*

Dissertation Chair: V. L. Yates

Zachary Anthony Stepp

Major: *Curriculum and Instruction*

Dissertation: Videos to Scaffold and Increase Student Engagement in a Hyflex Mathematics Secondary Classroom

Dissertation Chair: T. L. Adams

Dylan R. Stewart

Major: *Electrical and Computer Engineering*

Dissertation: Domain Translation and Image Registration for Multi-Look Synthetic Aperture Sonar Scene Understanding

Dissertation Chair: A. Zare

Lesleigh Ann Stinson

Major: *Psychology*

Dissertation: Social Media Use as Operant Behavior: Determinants and Treatment

Dissertation Chair: J. Dallery

Gretchen Louise Stokes

Major: *Interdisciplinary Ecology*

Dissertation: Global Assessment of Inland Fisheries Using Integrated Socio-Ecological Approaches

Dissertation Chair: T. K. Frazer

Dissertation Co-Chair: S. J. Smidt

Taylor Wiatt Stokes

Major: *Agricultural Education and Communication*

Dissertation: Understanding How University Organizational Structure Impacts Leadership Development for College Students

Dissertation Chair: N. L. P. Stedman

John W. Streese

Major: *Mathematics*

Dissertation: Rank and Crank Identities and Relationships to Quasi-Modular Forms

Dissertation Chair: F. G. Garvan

Saima Subhani

Major: *Pharmaceutical Sciences—Pharmaceutics*

Dissertation: Leveraging the Application of Physiologically Based Modelling to Aid Clinical Drug Development

Dissertation Chair: V. Vozmediano Esteban

Dissertation Co-Chair: S. Schmidt

Runhan Sun

Major: *Mechanical Engineering*

Dissertation: Data-Based Learning for Uncertain Nonlinear Systems with Intermittent State Feedback

Dissertation Chair: W. E. Dixon

Michael James Swain

Major: *Epidemiology*

Dissertation: The Acceptability of Opioid Overdose Education and Naloxone Distribution among the Cooperative Extension System Workforce

Dissertation Chair: C. L. Striley

Thuy N. Thai

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Utilization and Safety of Prescription Antiemetic Drugs during Pregnancy

Dissertation Chair: A. G. Winterstein

Emily M. Theobald

Major: *Music*

Dissertation: Musical Exchange between Poland and the United States during the Cold War: 1962–1985

Dissertation Chair: S. dos Santos

James H. Thorpe

Major: *Chemistry*

Dissertation: Applications of the Coupled Cluster Ansatz to the Electronic and Vibrational Structure of Molecules

Dissertation Chair: J. F. Stanton

Yuexun Tian

Major: *Entomology and Nematology*

Dissertation: Changing Phenology and Management Strategies of *Rhipicephalus sanguineus* s.l. (Latreille) Residential Infestations

Dissertation Chair: C. C. Lord

Dissertation Co-Chair: P. E. Kaufman

Yiorgo Topalidis

Major: *Sociology*

Dissertation: The Whitening Process Model: Forging an Anti-Racist Praxis for Descendants of European Immigrants in the United States

Dissertation Chair: N. Vargas

Lauren B. Trotta

Major: *Wildlife Ecology and Conservation*

Dissertation: Community Dynamics of the Urban Pine Rockland Flora

Dissertation Chair: B. H. Baiser

Alexandria Tucker

Major: *Physics*

Dissertation: Black Hole Orbital Dynamics in General Relativity: A Post-Newtonian Approach with Implications for Astrophysics and Gravitational Wave Detection

Dissertation Chair: C. M. Will

Savanna L. Turner

Major: *Agricultural Education and Communication*

Dissertation: Understanding the Factors that Influence Extension Faculty's Decision to Apply the Three Pillars of Sustainability to Their Programming

Dissertation Chair: L.A. Sanagorski-Warner

Dylan Alexander Tussey

Major: *Entomology and Nematology*

Dissertation: Improving Sterile Male Performance of *Aedes aegypti* for Use in Sterile Insect Technique Programs in Florida

Dissertation Chair: D. A. Hahn

Moiz Usmani

Major: *Environmental Engineering Sciences*

Dissertation: Utility of Remote Sensing-Based Prediction of Complex Environmental Problems for Ensuring Sustainability of Human Well-Being

Dissertation Chair: A. S. Jutla

Kathleen M. Vazquez

Major: *Agricultural and Biological Engineering*

Dissertation: Assessing Resilience and Non-Linear Dynamics in Social-Ecological Systems through Modeling and Data Analysis

Dissertation Chair: R. Muneeppeerakul

Dissertation Co-Chair: C. Angelini

Ruben Vazquez Jr.

Major: *Electrical and Computer Engineering*

Dissertation: Machine Learning Techniques for Dynamic Architectural Optimizations of Embedded Systems

Dissertation Chair: A. M. Ramirez

Dissertation Co-Chair: G. M. Stitt

Marc C. Vielledent

Major: *Mass Communication*

Dissertation: Social Media in the Post-Digital Era: U.S. Army Senior Leaders' Perceived Risk

Dissertation Chair: T. A. Kelleher

Dissertation Co-Chair: R. Men

Daniel Vilas Gonzalez

Major: *Fisheries and Aquatic Sciences*

Dissertation: Spatiotemporal Ecosystem Dynamics in the West Florida Shelf: Prediction, Validation and Application to Red Tides and Stock Assessment

Dissertation Chair: D. D. Chagaris

Dissertation Co-Chair: W. F. Patterson III

Andrea Carolina Villegas

Major: *Psychology*

Dissertation: Behavioral Economic Analysis of Food Variety

Dissertation Chair: J. Dallery

Ruethaiwan Vinijkumthorn

Major: *Veterinary Medical Sciences*

Dissertation: The Effects of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) on Anion Transporters in the Equine Colon

Dissertation Chair: D. E. Freeman

Brian Joseph Visconti

Major: *Youth Development and Family Sciences*

Dissertation: Exploring the Five-Factor Personality Model, Context and Relationship Quality as Predictors or Mediators of Sexual Infidelity

Dissertation Chair: V. Harris

Megan Sarah Voss-Warner

Major: *Civil Engineering*

Dissertation: Testing and Specification of Material Properties of Non-Proprietary Ultra-High-Performance Concrete

Dissertation Chair: K. A. Riding

Ariel Luz Ferguson Walker

Major: *Medical Sciences—Neuroscience*

Dissertation: Using In Vivo Models to Determine Factors that Affect the Progression of Alzheimer's Disease and Related Dementias

Dissertation Chair: J. M. Lewis

Dissertation Co-Chair: J. F. Abisambra

Anita Nicole Walsh

Major: *Economics*

Dissertation: The Effect of Consumer Sentiment on Consumption Behavior: Evidence from Florida

Dissertation Chair: H. H. Sandoval

Lauren N. Walter

Major: *Art History*

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

Dissertation Chair: M. L. Hyde

Bang Wang

Major: *Chemistry*

Dissertation: Functional Development of New Aptamers for Neurodegenerative Disease

Dissertation Chair: Y. C. Cao

Ching-Yu Wang

Major: *Pharmaceutical Sciences—Pharmaceutical Outcomes and Policy*

Dissertation: Developing Real-World Clinical and Economic Evidence for Biosimilar Filgrastim and Pegfilgrastim

Dissertation Chair: J. D. Brown

Ning Wang

Major: *Design, Construction and Planning*

Dissertation: Spoken Dialogue System for Information Extraction from Building Information Models Using Artificial Intelligence

Dissertation Chair: R. R. Issa

Dissertation Co-Chair: C. J. Anumba

Elizabeth E. Webb

Major: *Interdisciplinary Ecology*

Dissertation: Land-Climate Feedbacks in the Arctic-Boreal Zone

Dissertation Chair: J. W. Lichstein

Mihoko Maeda Wheeler

Major: *Linguistics*

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

Dissertation Chair: R. Wayland

Kathryn Michelle Williams

Major: *Counseling and Counselor Education*

Dissertation: Experiences of Supervisors in the Field

Dissertation Chair: J. Swank

Lisa L. Wilson

Major: *Pharmaceutical Sciences—Pharmacodynamics*

Dissertation: Selective Sigma Receptor Antagonists as Novel Treatments for Chronic Pain

Dissertation Chair: J. P. McLaughlin

Megan R. Worth

Major: *Special Education*

Minor: *Research and Evaluation Methodology*

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

Dissertation Chair: S. W. Smith

Tong Wu

Major: *Electrical and Computer Engineering*

Dissertation: An Effective Quantum Effect Simulation Framework of 2-D Material and Quantum Computing Devices Aided by Machine Learning

Dissertation Chair: J. Guo

Zhigang Xie

Major: *Public Health*

Dissertation: Impacts of 2016 Medicare Hospice Care Payment Reform on Hospice Care Quality, Costs, and Disparities Among Patients with Advanced Non-Small Cell Lung Cancer

Dissertation Chair: N. M. Marlow

Jianjian Xu

Major: *Horticultural Sciences—Environmental Horticulture*

Dissertation: Micropropagation and Cryopreservation of *Brassavola nodosa* (L.) Lindl Orchid

Dissertation Chair: W. A. Vendrame

Sandhya Yadav

Major: *Public Health*

Dissertation: Disparities in Mental Health Comorbidities and Mental Health Care Utilization among Young Adults with Diabetes

Dissertation Chair: A. F. Walker

Dissertation Co-Chair: Y. Hong

Xinyuan Yang

Major: *Design, Construction and Planning*

Minor: *Statistics*

Dissertation: Assisted Renter Households in Urban Neighborhoods: Neighborhood Built Environment, Transportation-Related Outcomes, and Their Neighborhood Satisfaction

Dissertation Chair: R. L. Steiner

Maher Yazback

Major: *Physics*

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

Dissertation Chair: H. P. Cheng

Kasra Yazdani

Major: *Mechanical Engineering*

Dissertation: Distributed Decision-Making: Algorithms for Privacy and Optimization

Dissertation Chair: M. Hale

Joshua N. Yoho

Major: *Chemistry*

Dissertation: Utilizing Single-Atom Alloy for Enhanced Plasmonic Photocatalysis

Dissertation Chair: W. Wei

Seongjin Yoo

Major: *Health and Human Performance*

Dissertation: The Effect of Social Comparison on Sport Fans' Psychological and Behavioral Responses

Dissertation Chair: Y. J. Ko

Jeremy Youngquist

Major: *Computer Science*

Dissertation: Computational Design and Analysis of Volumetric Micro-Structure

Dissertation Chair: J. Peters

Dissertation Co-Chair: M. Sitharam

Jo-Chi Yu

Major: *Chemistry*

Dissertation: Ruthenium Organometallic Complexes for Electron and Ion Beam-Induced Deposition of Nanostructures

Dissertation Chair: L. A. McElwee-White

Xi Yu

Major: *Electrical and Computer Engineering*

Dissertation: Weakly-Supervised Semantic Segmentation with Point-Based Supervision

Dissertation Chair: J. C. Principe

Yang Yu

Major: *Nutritional Sciences*

Dissertation: Dysregulation of Iron Homeostasis in Beta-Thalassemia (Th3/+) Mice

Dissertation Chair: J. F. Collins

Mohan Subhash Zalake

Major: *Human-Centered Computing*

Dissertation: Designing Effective Virtual Human Conversations to Promote Healthy Behaviors

Dissertation Chair: B. Lok

Bisheng Zhang

Major: *Materials Science and Engineering*

Dissertation: Examples of Citric Acid-Based Polymer Delivery of Therapeutic Agents

Dissertation Chair: J. Allen

Yunpu Zhao

Major: *Chemistry*

Dissertation: Advancement of Parahydrogen Enhanced NMR by Heterogeneous Catalysis

Dissertation Chair: C. R. Bowers

Yulin Zheng

Major: *Agricultural and Biological Engineering*

Dissertation: Removing and Reclaiming Phosphorous from Wastewater with Engineered Biochar

Dissertation Chair: B. Gao

Hui Zhou

Major: *Mechanical Engineering*

Dissertation: Label-Free Quantification of Alignment in Native and Engineered Soft Tissue Constructs by Polarized Raman Spectroscopy

Dissertation Chair: C. Simmons

Dissertation Co-Chair: M. Sarntinoranont

Jiahua Zhou

Major: *Soil and Water Sciences*

Dissertation: Estuary Salinity of the Apalachicola Bay in Response to a Changing Climate and Hydrologic Environmental Variables

Dissertation Chair: M. Deitch

Dissertation Co-Chair: S. Grunwald

Yuxin Zhou

Major: *Mathematics*

Dissertation: Coloring Isosceles Triangles in Choiceless Set Theory

Dissertation Chair: J. Zapletal

DOCTOR OF EDUCATION

Marili Alvarado

Major: *Educational Leadership*

Dissertation: Latinx and Undocumented: A Quantitative Study of College Tuition Assignment and Financial Aid Offers across Different State Policies

Dissertation Chair: F. C. Curran

Jaime Beal

Major: *Curriculum and Instruction*

Dissertation: The Role of Professional Learning Communities in Helping Teachers Use Metacognitive Discourse in Their Math Classroom

Dissertation Chair: V. A. Vescio

Daniella Alessandra Boyd

Major: *Curriculum and Instruction*

Dissertation: Elevating Student Voice and Experiential Knowledge through Youth Participatory Action Research

Dissertation Chair: C. L. Busey

Valeria Pearcey Brown

Major: *Curriculum and Instruction*

Dissertation: My Inheritance: The Evolution of a Black Educator Activist Using a Critical Professional Development Approach to Support Educator Activists

Dissertation Chair: C. L. Busey

Leslie Cabrera

Major: *Curriculum and Instruction*

Dissertation: Communities of Practice: Professional Learning Experience for Early Childhood Educators

Dissertation Chair: V. A. Vescio

Clairem Diaz

Major: *Educational Leadership*

Dissertation: Retaining First-Time-In-College Students through Technology-Aided Advisement at a Florida State College: A Leadership Strategy for Increased Performance-Based Funding

Dissertation Chair: C. H. Redding

Meghan K. Everett

Major: *Curriculum and Instruction*

Dissertation: Mistrust and Messaging: An Analysis of Mass Communication Theory in Schools

Dissertation Chair: S. G. Terzian

Tara Rae Ferland

Major: *Curriculum and Instruction*

Dissertation: Mindfulness in a Middle School Science Classroom: A Practitioner Inquiry

Dissertation Chair: A. J. Adams

Macy Gathings Geiger

Major: *Curriculum and Instruction*

Dissertation: The Development of a Social Justice Family Engagement Framework through Practitioner Research

Dissertation Chair: G. R. Jeter

Michelle M. Hajian

Major: *Educational Leadership*

Dissertation: Teacher Leadership during a Pandemic: Investigating the Relationship Between Teacher Leadership and Student Achievement in Elementary Schools

Dissertation Chair: C. H. Redding

Andrea Lynne Harvey

Major: *Curriculum and Instruction*

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

Dissertation Chair: K. M. Dawson

Morganne Denise Haughton

Major: *Curriculum and Instruction*

Dissertation: Trauma-Informed Practices in Elementary School Teacher Implementation and Student Responses

Dissertation Chair: V. A. Vescio

Laura B. Jackson

Major: *Curriculum and Instruction*

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

Dissertation Chair: K. M. Dawson

Kiffani V. Jones

Major: *Higher Education Administration*

Dissertation: Strategic Institutional Responses to North Carolina's SB 873: Views from Institutional Leaders

Dissertation Chair: D. A. Kramer

Cristie M. Kedroski

Major: *Higher Education Administration*

Dissertation: Is It Truly a Cost Savings? Examining the Relationship between Faculty Type and Instructional Modality on Course Success Rates at a Primarily Associate Degree-Granting Institution

Dissertation Chair: B. T. Skinner

Donald Garry Nicolas

Major: *Curriculum and Instruction*

Dissertation: Experiences of Equity Liaisons in Implementing Equity Plans within Their Local School Contexts

Dissertation Chair: G. R. Jeter

Jill Lorraine Pettibone

Major: *Higher Education Administration*

Dissertation: Experiences of Student Government Leaders During the Coronavirus Pandemic Campus Disruptions

Dissertation Chair: L. B. Lynch

Kezia L. Pigford

Major: *Curriculum and Instruction*

Dissertation: An Interview Study Exploring Teacher Instructional Strategies and Technology Integration While Educating English Language Learners in an Immersive Learning Environment

Dissertation Chair: K. M. Dawson

Shannon M. Sheppard

Major: *Higher Education Administration*

Dissertation: The Efficacy of Virtual Site Visits: A Qualitative Study of Participant Perceptions

Dissertation Chair: K. D. Peck Parrott

Melinda Deann Simmons

Major: *Educational Leadership*

Dissertation: The Challenges that Educational Leaders Encounter in Educating Transgender Students

Dissertation Chair: L. J. Searby

Rebecca Louise Standridge

Major: *Curriculum and Instruction*

Dissertation: Cultivating Support for Secondary Special Education Teachers: A Practitioner Inquiry

Dissertation Chair: E. A. Washington

David Mathis Stout

Major: *Higher Education Administration*

Dissertation: Leading Change While Being Changed: How Community College Presidents Construct and Convey Their Experiences Leading Institutional Change Processes

Dissertation Chair: L. B. Lynch

Adrienne Aiko Thompson

Major: *Curriculum and Instruction*

Dissertation: Exploring EAP Students' Sense of Classroom Community When They Use a Class WhatsApp™ Group

Dissertation Chair: S. Kumar

Niraj Anil Wagh

Major: *Higher Education Administration*

Dissertation: Queer Students' of Color Sense of Inclusion in Community Colleges

Dissertation Chair: C. Haynes

Dissertation Co-Chair: L. B. Lynch

Kevin Michael Wilson

Major: *Educational Leadership*

Dissertation: Can I Lead? Institutional First-Gen, Football Bowl Subdivision, Black Male Athletic Directors' Perceived Barriers to Athletic Director Leadership

Dissertation Chair: C. H. Redding

DOCTOR OF AUDIOLOGY

Leah Nicole Blackwell
Amy Elizabeth Crews
Caitlin Curry
Claire Marie Dorey

Hannah Marie Eckdahl
Casey Leanne Kolb
Sabrina Nicole Lee

Martha Margaret Meyers
Kurt E. Muellner
Alexa Monique Velez
Alexandra Maria White

DOCTOR OF MUSICAL ARTS

Bryan Thomas Braue
James David Cain
Benjamin J. Elgan

Lanjiabao Ge
Elizabeth Katherine Mess

Pamela Mireles
Andrew Lournes Moore
Matthew James Wardell

DOCTOR OF PLANT MEDICINE

Chastity L. Perry

PROFESSIONAL DEGREES

THE WARRINGTON COLLEGE OF BUSINESS

THE HOUGH GRADUATE SCHOOL OF BUSINESS

Dean Sabyasachi Mitra

DOCTOR OF BUSINESS ADMINISTRATION

Melonie Hall

Stoyanka Petrova

THE COLLEGE OF HEALTH AND HUMAN PERFORMANCE

Dean Michael Reid

DOCTOR OF ATHLETIC TRAINING

Telia Shajuan Brown
Kirsten Juliana Cunha
Allyson Kate Folkert
Melissa Lynn Gutheil

Maxwell Powell Hutton
Rachel Katherine Jordan
Marissa Evonne Lucas
Robin Heather Martin
Peter Matthew Minton

Lauren Keeley Moberg
Kennedy Jene Pipers
Kyle Ray
Joseph Michael Schildwachter

THE COLLEGE OF NURSING

Dean Anna M. McDaniel

DOCTOR OF NURSING PRACTICE

Marie Danise Akers
Jeveria Ali
Tori Adams Bagen
Andrew Thomas Bako
Maria Vanessa Batista
Taylor Jermaine St. Patrick Bell
Tiffany Priscilla Bell
Lauren Julia Blankenship
Sarah Elizabeth Bruno
Lauren Maria Calhoun
Caitlin Michelle Christensen
Michelle Mary Cole
Disleny Cruz
Denise La Verne Daly-Stennis
Malia Elizabeth Dersch
Brittany Amber Dominguez
Sarah Joice Acuña Espiritu
Anna Fehl-Villasuso
James Sawyer Free

Eherin Michelle Floyd Furr
Jessica Lorraine Gage
Vanessa Gaudin
Melissa Renee Hampton
Hae Soo Han
Julie Jackson Holmer
Mila Gabriela Insuasty
Shanisha Calloway Kirk
Kristen T. Kowalski
Jessica Brooke Larsen
Cassie Elizabeth Lord
Yansu Luo
Amy Jo Lykins
M'Lynn Renee McKibben
Whitney Marie Meyers
Amber Nicole Moreland
Aneri Pandya
Monique Erica Prosper

Susan Quimby
Jennifer Susan Rackley
Anthonia Dionne Rich
Aldo Rosales
Megan A. Ross
Christopher Leon Silvey
Jessica Snuggs
Cortney Megan Starr
Maria Nicole Tataris
Amanda Danese Tomlinson
Marvette Sharrise Tookes
James Tully
Mary Jane Alcantara Venzon
Ya Qin Wang
Sara M. Waterbury
Amy Ann Westbrook
Angela Dione Winbush
Michelle Elizabeth Wise
ShuTong Zhang

THE COLLEGE OF PUBLIC HEALTH AND HEALTH PROFESSIONS

Dean Michael G. Perri

DOCTOR OF OCCUPATIONAL THERAPY

Alexander Michael Chin

Rebecca Shaye Cundiff

Joana Pernia

DOCTOR OF PHYSICAL THERAPY

Alexis Scardasis Asencios
Brooke Anastasia Bland
Michelle Alexandra Bravo
Krzysztof Christopher Bujak
Christopher Thomas Carpenter
Angelina Grace Castelli
Rachel Elizabeth Castor
Brandon Jacob Coons
Hannah Renee Cox
David William Craft
Kathryn Ann d'Ablemont
Sarah Hayley Davis
Monique Dolores Deveaux
Olivia Marie Dewey
Dante Joseph DiSipio
Emily Dean Edwards
Lyndi Elms
Andrew I. Fenton
Jamie Lynn Fryett
Timothy Daniel Garcia
Micah Daniel Hapner
Riley Anne Hastings
Haley Linn Hasty
Jeanna M Heater

Courtney B. Hersch
Susan Hing Ho
Megan Elyse Holmes
Amy Elizabeth Hope
Kathleen Rives Huffman
Ashleigh Brooke Hundley
Andrew James Ivie
Casey M. Jackson
Abigail Morgan Jones
Marisa A. Kastner
Caroline Ashlyn Kelly
Hayley Rose Lynch
Shelby A. Mahaz
Matthew William Mainelli
Allyson S. Marcy
Austin Leon Matalon
Taylor McCullers
Lindsay Carla McKishnie
Jennifer M. Menke
Michael Leonard Metzger
Jedidiah S. Meyers
Natalia G. Moctezuma Sierra
Joseph Allen Mohler

Andrew James Monteau
Michael Seth Moreland
Gabriella Valenti Mundy
Justus Reynard Norman
Mario Osorio
Kelsey Raulinaitis
Cortlyn Raynes
Jesrael Lumiqued Rodriguez Jr.
Melanee Elisa Rodriguez
Michael James Ryan
Shelby N. Shriver
Jessica C. Silk
Michael Ryan Staklinski
Breanne Nicole Stefan
Christian David Strock
Bradley John Sufficool
Madison M. Sutter
Kathryn Elizabeth Takacs
Jesse Arthur Tatum
Sophia Unson
Blake Madison Wallert
Claire Michelle Wilhoite
Jessica L. Wright
Victoria Carson Wyche





What Makes a University Great?

Some interesting facts about the University of Florida

Educational Excellence

UF is consistently ranked among the nation's top universities: No. 5 in U.S. News & World Report "Top Public Universities" (2022); No. 3 on the Forbes' list of Best Value Public Universities (2019); No. 6 in the New York Times list of universities that do the most to help low-income students (2015); No. 2 in Kiplinger's "Best Values in Public Colleges" (2017); No. 3 in the Milken Institute's Ranking of Best Universities for Technology Transfer.

Faculty

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

Students

- Students admitted for the fall 2022 freshman class had an average 4.49 GPA, average SAT score of 1407, and an average ACT score of 32.
- The freshman retention rate of 97% is among the highest in the country.
- UF ranks 4th and 9th respectively in Latino and African American graduates who go on to receive doctorates in STEM fields. It is also ranked 1st in the nation in the number of African American female faculty in engineering.
- Sixty-seven percent of UF full-time freshmen graduate in four years, and 88% of UF freshmen graduate within six years.

UF

2022 SPRING
COMMENCEMENT



Chain of Office

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

Academic Mace

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

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



Diplomas

Diplomas will be mailed to the graduate's diploma mailing address in June of 2022.



2022 SPRING
COMMENCEMENT

Caps and Gowns, An Explanation

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

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

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

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

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



UF

Alma Mater

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

Milton Yeats