

Department of Agriculture and Natural Resources
Integrative Agricultural, Food and Environmental Sciences
PhD program

AVAILABLE COURSE LIST (2021)

AGRI-501 ADV STATS TECH FOR DATA ANLS
AGRI-504 ADVANCED AQUACULTURE
AGRI-505 AQUATIC ANIMAL PHYSIOLOGY
AGRI-506 PARASITOLOGY
AGRI-507 SOILS AND SOIL FERTILITY
AGRI-511 PLANT BREEDING
AGRI-516 PLANT GENETICS AND BREEDING
AGRI-531 CROP BIOCHEMISTRY, PHSIOLOGY AND ECOLOGY
AGRI-541 PLANT ANATOMY AND MORPHOLOGY
AGRI-548 TROPICAL AGRICULTURE, ECOSYSTEMS AND CONSERVATION
AGRI-551 EXPERIMENTAL DESIGN
AGRI-552 SOIL FERTILITY AND PLANT NUTRITION
AGRI-560 RESEARCH PROBLEMS
AGRI-561 THESIS RESEARCH
AGRI-572 GRADUATE SEMINAR
AGRI-575 MOLECULAR GENETICS AND GENOMICS
AGRI-581 ADVANCED FORAGE AND MINOR CROP PRODUCTION AND UTILIZATION
AGRI-601 ADVANCED FIELD BOTANY
AGRI-609 ADVANCED WEED SCIENCE
AGIR-641 EVOLUTION OF VASCULAR PLANTS
NTRS-501 POPULATION BIOLOGY
NTRS-502 HABITAT MANAGEMENT AND RESTORATION
NTRS-503 CONSERVATION AND RESTORATION BIOLOGY
NTRS-504 ENVIRONMENTAL MODELING
NTRS-506 MARINE POPULATION DYNAMICS
NTRS-531 ADVANCED ECOSYSTEMS
NTRS-556 WETLANDS BIOLOGY
NTRS-604 GIS APPLICATION IN NATURAL RESOURCES
NTRS-621 COSTAL FIELD BIOLOGY
NTRS-675 ADVANCED ENVIRONMENTAL AND WILDLIFE LAW
BIOL-511 PHARMACOLOGY
BIOL-515 MOLECULAR FOUNDATIONS OF BEHAVIOR
BIOL-517 VIROLOGY
BIOL-520 CELL BIOLOGY
BIOL-521 MOLECULAR BIOLOGY
BIOL-535 CURRENT TECHNIQUES IN BIOLOGY
BIOL-542 BIOLOGY OF AGING
BIOL-560 CHEMISTRY OF BIOLOGY AND CELL PRODUCTION
BIOL-561 GENETICS AND BIOTECHNOLOGY
BIOL-605 CELL MORPHOGENESIS
BIOL-607 CANCER BIOLOGY
BIOL-608 PATHOPHYSIOLOGY
BIOL-620 IMMUNOLOGY
BIOL-621 ADVANCED MICROBIOLOGY
BIOL-631 CELL BIOCHEMISTRY AND HISTOCHEMISTRY

Delaware State University
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BIOL-650 BIOLOGICAL MECHANICS
BIOL-651 PROTEINS: STRUCTURES AND MOLECULAR PROPERTIES
BIOL-666 BIOTECHNOLOGY
CHEM-501 ADVANCED LABORATORY TECHNIQUES
CHEM-502 PHYSICAL METHODS IN INORGANIC CHEMISTRY
CHEM-505 INORGANIC SOLUTION CHEMISTRY
CHEM-506 STRUCTURAL INORGANIC CHEMISTRY
CHEM-507 THEORY AND APPLICATIONS OF SPECTROSCOPY
CHEM-508 THEORY AND APPLICATIONS OF CHROMATOGRAPHY
CHEM-510 ENVIRONMENTAL CHEMISTRY
CHEM-516 QUANTUM CHEMISTRY
CHEM-520 ADVANCED ORGANIC CHEMISTRY
CHEM-521 ADVANCED BIOCHEMISTRY
CHEM-530 ADVANCED ANALYTICAL CHEMISTRY
CHEM-569 POLYMER CHEMISTRY
CHEM-573 ADVANCED PHYSICAL CHEMISTRY
HMEC-510 FOOD PROCESSING
HMEC-520 FOOD MICROBIOLOGY
HMEC-530 FOOD CHEMISTRY
HMEC-535 FOOD TOXICOLOGY
HMEC-540 FOOD ANALYSIS
HMEC-550 FOOD ENGINEERING
HMEC-570 SENSORY EVALUATION OF FOODS
HMEC-580 FOOD QUALITY ASSURANCE
HMEC-600 FOOD PRODUCTION DEVELOPMENT
HMEC-610 ADVANCED FOOD SAFETY
PHYS-523 MODERN PHYSICS
PHYS-531 ENERGY SYSTEMS
PHYS-565 THERMAL PHYSICS
PHYS-600 MODERN OPTICS
PHYS-652 CLASSICAL MECHANICS
PHYS-655 COMPUTATIONAL METHODS
PHYS-806 MOLECULAR BIOPHYSICS
MTSC-643 STATISTICS
MTSC-661 NUMERICAL ANALYSIS
MTSC-887 IMAGE PROCESSING
CSCI-505 COMPUTER ARCHITECTURE
CSCI-512 COMPUTER AND NETWORK SECURITY
CSCI-513 COMPUTER GRAPHICS
CSCI-515 SOFTWARE ENGINEERING
CSCI-540 MACHINE LEARNING
CSCI-552 DATA MINING AND VISUALIZATION
CSCI-562 COMPUTER SIMULATION
CSCI-563 SCIENTIFIC COMPUTING
CSCI-571 ROBOTICS
CSCI-580 BIOINFORMATICS