

Supporting Courses under Professional Agriculture

(Departmental approved course list for Turfgrass Majors)

Note: Courses marked as WC are offered by World Campus.

Courses with * are Recommended

**indicates that only one course from STAT 200, 220, 240, or 250 may be taken for credit

PPEM 412 Turfgrass Disease Management (Prereq) (3 credits)* – WC

TURF 425 Turfgrass Cultural Systems (Prereq) (3 credits)* – WC

TURF 434 Turfgrass Edaphology (Prereq) (3 credits)* – WC

TURF 435 Turfgrass Nutrition (Prereq) (4 credits)* – WC

TURF 436W Case Studies in Turfgrass Management (Prereq) (3 credits)* – WC

AG 100 Job Placement Skills and Strategies (1 credit)

AG 150S Be a Master Student (2 credits)

AGECO 121 Plant Stress: It's Not Easy Being Green (3 credits)

AGECO 122/METEO 122 Atmospheric Environment: Growing in the Wind (3 credits)

AGRO 460 Advances and Applications of Plant Biotechnology (Prereq) (3 credits)

AN SC 215 (GS) Pets in Society (3 credits) – WC

A S M 101 Mechanization Principles for Production Agriculture (3 credits)

A S M 210 Turfgrass and Outdoor Power Equipment Systems Management (Prereq) (2 credits)

A S M 310 Power Transmission in Agriculture (Prereq) (3 credits)

A S M 320 Combustion Engines for Mobile Equipment (Prereq) (3 credits)

A S M 327 Soil and Water Resource Management (3 credits)

ASTRO 001 (GN) Astronomical Universe (3 credits) – WC

ASTRO 005 (GN) The Sky and Planets (3 credits)

ASTRO 006 (GN) Stars, Galaxies, and the Universe (3 credits)

ASTRO 010 (GN) Elementary Astronomy (2 credits) – WC

ASTRO 011 (GN) Elementary Astronomy Laboratory (1 credit) – WC

BI SC 002 (GN) Genetics, Ecology, and Evolution (3 credits) – WC

BI SC 003 (GN) Environmental Science (3 credits) – WC

BIOL 220W (GN) Biology: Populations and Communities (Prereq) (4 credits)

BIOL 222 Genetics (Prereq) (3 credits)

BIOL 230W (GN) Biology: Molecules and Cells (Prereq) (4 credits)

BIOL 240W (GN) Biology: Function and Development of Organisms (Prereq) (4 credits)

BIOL 407 Plant Developmental Anatomy (Prereq) (3 credits)

BIOL 414 Taxonomy of Seed Plants (Prereq) (3 credits)

BIOL 424 Seeds of Change: The Uses of Plants (Prereq) (3 credits)

BIOL 425/PPEM 425 Biology of Fungi (Prereq) (4 credits)

BIOL 459/HORT 459 Plant Tissue Culture and Biotechnology (Prereq) (3 credits)

BIOL 441 Plant Physiology (Prereq) (3 credits)

BIOL 446 Physiological Ecology (Prereq) (3 credits)

B M B 211 Elementary Biochemistry (Prereq) (3 credits)

B M B 212 Elementary Biochemistry Laboratory (Prereq) (1 credit)

B M B 251 (MICRB) Molecular and Cell Biology I (Prereq) (3 credits)

B M B 252 (MICRB) Molecular and Cell Biology II (Prereq) (3 credits)

EARTH 002 (GN) The Earth System and Global Change (3 credits)

EARTH 100 (GN) Environment Earth (3 credits)
EARTH 101 (GN/US) Natural Disasters: Hollywood vs. Reality (3 credits)
EGEE 101 (GN) Energy and the Environment (3 credits) – WC
EGEE 102 (GN) Energy Conservation for Environment Protection (3 credits) – WC
EGEE 110 Safety Science for the Rest of Your Life (3 credits)
EM SC 101 (US/IL) Resource Wars (3 credits)
EM SC 150 (IL) Out of the Fiery Furnace (S T S 150) (3 credits)
ENT 202 (GN) The Insect Connection (3 credits) – WC
ENT 313 Introduction to Entomology (2 credits)
ENT 314 Management of Insect Pests of Ornamentals (Prereq) (1 credit)
ENT 410 Insect Structure and Function (Prereq) (3 credits)
ERM 450/WFS 450 Wetland Conservation (Prereq) (3 credits)
FOR 203 Field Dendrology (Prereq) (2 credits)
FOR 204 Dendrology (Prereq) (2 credits)
FOR 301/HORT 301 Principles of Arboriculture (3 credits)
FOR 470 Watershed Management (Prereq) (3 credits)
FOR 471 Watershed Management Laboratory (Prereq) (1 credit)
GEO SC 001 Physical Geology (3 credits)
GEO SC 002 Historical Geology (3 credits)
GEO SC 010 Geology of the National Parks (3 credits) – WC
GEO SC 020 Planet Earth (3 credits)
GEO SC 021 Earth and Life: Origin and Evolution (3 credits)
GEO SC 040 The Sea Around Us (3 credits)
HORT 101 (GN) Horticultural Science (3 credits) – WC
HORT 131 Herbaceous Perennial and Annual Identification (Prereq) (3 credits)
HORT 137 Ornamental Plant Materials (Trees) (Prereq) (3 credits)
HORT 138 Ornamental Plant Materials (Shrubs) (Prereq) (3 credits)
HORT 150 (GN) Plants in the Human Context (3 credits)
HORT 201 Applied Arboriculture (2 credits)
HORT 202 Plant Propagation (3 credits)
HORT 352 Flower Arranging (2 credits)
HORT 301 Principles of Arboriculture (Prereq) (3 credits)
HORT 315 Environmental Effects on Horticultural Crops (Prereq) (3 credits)
HORT 407 Plant Breeding (3 credits)
HORT 408 Landscape Plant Establishment and Maintenance (Prereq) (4 credits)
HORT 420 Plant Growth Regulators (Prereq) (3 credits)
HORT 445 Plant Ecology (Prereq) (3 credits)
INTAG 100 (GS/IL) Introduction to International Agriculture (3 credits)
LARCH 060 (GA) History of Landscape Architecture (3 credits) – WC
LARCH 065(GA/US/IL) Built Environment and Culture (3 credits) – WC
METEO 003 (GN) Introductory Meteorology (3 credits) – WC
METEO 004 (GN) Weather and Risk (3 credits)
METEO 022 The Oceans (2 credits)
METEO 101 (GN) Understanding Weather Forecasting (3 credits) – WC
MICRB 106 Elementary Microbiology (3 credits) – WC
MICRB 107 Elementary Microbiology Laboratory (1 credit) – WC

PHYS 001 (GN) The Science of Physics (3 credits)
PHYS 250L Introductory Physics (Prereq) (4 credits)
PPEM 120 (GN) The Fungal Jungle: A Mycological Safari From Truffles to Slime Molds (3 credits)
PPEM 300 Horticultural Crop Diseases (3 credits)
PPEM 318 Diseases of Forest and Shade Trees (2 credits)
PPEM 405 Microbe-Plant Interactions: Plant Diseases and Biological Control (Prereq) (3 credits)
SOILS 071 (GN/IL) Environmental Sustainability (3 credits)
SOILS 100 Soil Judging (1 credit)
SOILS 102 Introductory Soil Science Laboratory (Prereq) (1 credit)
SOILS 397A Chemistry in the Environment: Soil, Water, and Air (Prereq) (3 credits)
SOILS 401 Soil Composition and Physical Properties (Prereq) (3 credits)
SOILS 402 Soil Nutrient Behavior and Management (Prereq) (3 credits)
SOILS 404 Urban Soils (Prereq) (3 credits)
SOILS 405 Hydropedology (3 credits)
SOILS 422 Natural Resources Conservation and Community Sustainability (3 credits)
SOILS 412W Soil Ecology (Prereq) (3 credits)
SOILS 416 Soil Genesis, Classification and Mapping (Prereq) (4 credits)
SOILS 420 Remediation of Contaminated Soils (Prereq) (3 credits)
SOILS 450 Environmental Geographic Information Systems (Prereq) (3 credits)
SPAN 001 Elementary Spanish I (4 credits) – WC
SPAN 002 Elementary Spanish II (Prereq) (4 credits) – WC
SPAN 003 Intermediate Spanish (Prereq) (4 credits) – WC
SPAN 105 Spanish for Students in the Field of Agricultural Sciences (4 credits)
SPAN 106 Spanish for the Agricultural Industries (Prereq) (4 credits)
SPAN 131(GH/US/IL) Ibero-American Civilization (3 credits) – WC
STAT 100 Statistical Concepts and Reasoning (3 credits) – WC
STAT 200 Elementary Statistics (Prereq) (4 credits) – WC
STAT 240 Introduction to Biometry** (3 credits)
STAT 250 Introduction to Biostatistics** (3 credits)
WFS 209 Wildlife and Fisheries Conservation (Prereq) (3 credits)
WFS 300 The Vertebrates (Prereq) (3 credits)
WFS 407 Ornithology (Prereq) (3 credits)
WFS 408 Mammology (Prereq) (3 credits)
WFS 460 Wildlife Behavior (Prereq) (3 credits)