EEB & Biology Major Electives

Fall 2017

While some courses may be listed in multiple elective categories below, students may only use a course once within their major electives.

*Courses in **BOLD** satisfy the Writing Emphasis requirement of the EEB & Biology degrees.*

*Courses marked with * have an online option listed.*

Ecology, Evolution & Behavior

ANTH 364– Natural History of Our Closest Relatives
ANTH 468– Human Osteology
ANTH 470– Primate Behavior
ANTH 472– Zooarchaeology & Taphonomy Lab methods
ECOL 326– Genomics
ECOL 340– Evolution Of Plant Form & Function
ECOL 418– Spatio-Temporal Ecology
ECOL 419– Intro to Modeling in Biology
ECOL 430– Conservation Genetics
ECOL 449B—Discovering Evolution
ECOL 450– Marine Discovery
ECOL 474—Aquatic Plants & the Environment
ECOL 487 R & L—Animal Behavior
ECOL 496J– Plant Population Ecology
ENTO 310– Living in Symbiosis
ENTO 415R – Insect Biology
GEOG 438– Biogeography
GEOS 308– Paleontology
GEOS 439A– Intro to Dendrochronology
GEOS 478– Global Change
PLP 305—Introductory Plant Pathology *
PLP 329A– Microbial Diversity *
RNR 316– Natural Resource Ecology
WFSC 430L– Conservation Genetics Lab
WSM 452– Dryland Ecohydrology and Vegetation Dynamics

Cell & Molecular Biology

MIC 452– Antibiotics: Biological Perspective
MCB 325—Biology of Cancer
NROS 307– Cellular Physiology
NROS 412– Learning and Memory
PSIO 303A– Integrative Cellular Physiology
PSIO 472– Quant. Models of Biological Systems
PLP 427R & L—General Mycology *
PLS 359– Plant Cell Structure & Function *
PLS 448A– Plant Biochem/Metabolic Engineering

Genetics

ECOL 326– Genomics
ECOL 430—Conservation Genetics
MIC 452– Antibiotics: Biological Perspective
MCB 340– Intro to Biotechnology
MCB 422– Problem Solving & Genetic Tools

Organismal

Macro-

ACBS 400A—Animal Anat. & Physio.
ACBS 315R & L– PSIO of Animal Repro.
ACBS 443– Research Animal Methods
ENTO 310– Living in Symbiosis
ECOL 340– Evol.of Plant Form & Funct.
ECOL 487 R & L—Animal Behavior
ECOL 496J—Plant Population Ecology
ECOL 474– Aquatic Plants
ECOL 482– Ichthyology
ECOL 485– Mammalogy
ENTO 415R– Insect Biology
ACBS 443—Research Animal Methods
ANTH 472– Zooarchaeology & Taphonomy Lab methods

Micro-

ACBS 449– Diseases of Wildlife
MIC 421B– Microbial Techniques
MIC 425&426– Environmental Microbiology
PLP 427R&L– General Mycology *
PLP 305– Plant Pathology
PLP 329A– Microbial Diversity *
PLS 448A– Plant Biochem/ Metabolic Engineering

Physiology

ACBS 400A—Animal Anatomy & Physiology
ACBS 315R & L– Physiology of Animal Reproduction
ECOL 340– Evolution of Plant Form & Function
NROS 307– Cellular Neurophysiology
PSIO 303A– Integrative Cellular Physiology
PSIO 420– Exercise & Environmental Psio
PSIO 425– Measurement & Evaluation of Psio Function
PSIO 431– Physiology of the Immune System
PSIO 467– Endocrine Physiology
PSIO 472– Quantitative Modeling of Biological Systems
PSIO 485– Cardiovascular Psio

Please be aware that PSIO courses have prerequisites which are strictly enforced, if you plan to take one of these courses you must meet those requirements & email that department at bertha@email.arizona.edu.

Science & Society

Counts toward Biology—Biomedical Emphasis ONLY

ECOL 249—Evolution: Its Content and Its History
ECOL 280—Sociobiology and the Evolution of Cooperation
ECOL 326—Genomics
MCB 404—Bioethics
PHIL 321—Medical Ethics *