

2/8/11

## Zoology Majors (BA and BS)

### Advanced Electives

For the Zoology major, you will take a series of advanced electives that should be chosen after consultation with your academic advisor.

For the **Zoology BA**, you will take at least 15 credits from BCOR 102 or 103 (whichever one you did not take as part of your core program) or 200-level courses except for BIOL 297/298.

For the **Zoology BS**, you will take 27 elective credits from BCOR 102 or 103 (whichever one was not taken for the core) or 200-level courses. You may take up to 6 credits of 100-level courses from the approved listed below as part of your 27 elective credits.

The ALLOWED and RECOMMENDED 100-and 200-level courses are given below.

The ALLOWED courses are quite extensive, whereas the RECOMMENDED courses are more tightly geared toward those involving animal biology that would be expected for the Zoology major. Why is the ALLOWED list more extensive? For example, why are all the 200-level Plant Biology courses on the list? A Zoology major may be interested in grazing animals and thus want to take a course in systematic botany to identify plants, or plant physiology to understand the nutritional ecology of grazing animals. A Pre-veterinary medicine student may want to take courses in microbiology and developmental biology. That is why you should pick your courses after talking this over with your advisor! Often a new course is offered as 295/296 by our department or another department. If you locate such a course that seems appropriate for your major, contact your advisor to discuss the issue.

### ALLOWED 200-LEVEL ELECTIVES FOR ZOOLOGY MAJORS

BIOL	All 200-level courses (except for BIOL 297/298 FOR BA)
PBIO	All 200-level courses (Plant Biology = "Botany")
MMG	All 200-level courses
WFB 232	Ichthyology
WFB 271/272	Wetlands Wildlife
WFB 273/274	Uplands Wildlife Ecology
WFB 275	Wildlife Behavior
WFB 279	Marine Ecology
PSYC 220	Animal Behavior
PSYC 221	Physiological Psychology I
ANTH 240	Human Osteology and Archeology
BIOC 212	Biochemistry of Human Disease
BIOC 240	Introduction to Macromolecular Structure of Proteins

and Nucleic Acid

BIOC 205/206/207 Biochemistry I and II and Lab (cross-listed as CHEM)

NR/WFB 224 Conservation Biology

NR 228 Ecosystem Ecology

NR 250 Limnology

ASCI 205 Equine Reproduction and Management

ASCI 212 Animal Genetics and Breeding

ASCI 215 Physiology of Reproduction

ASCI 216 Endocrinology

ASCI 220 Lactation Physiology

ASCI 272 Zoo, Exotic Species, and Endangered Species Topics

### **RECOMMENDED 200-LEVEL ELECTIVES FOR ZOOLOGY MAJORS**

BIOL 204/205 Advanced Genetics Laboratory

BIOL 208 Morphology and Evolution of Insects

BIOL 209 Field Zoology

BIOL 212 Comparative Histology

BIOL 217 Mammalogy

BIOL 223 Developmental Biology

BIOL 238 Winter Ecology

BIOL 246 Ecological Parasitology

BIOL 254 Population Genetics

BIOL 255 Comparative Physiology

BIOL 261 Neurobiology

BIOL 262 Neurobiology Laboratory

BIOL 264 Community Ecology

BIOL 269 Plant-Animal Interactions

BIOL 270 Speciation and Phylogeny

BIOL 271 Evolution

BIOL 276 Behavioral Ecology

\WFB 232 Ichthyology

WFB 271/272 Wetlands Wildlife

WFB 273/274 Uplands Wildlife Ecology

WFB 275 Wildlife Behavior

WFB 279 Marine Ecology

PSYC 220 Animal Behavior

NR/WFB 224 Conservation Biology

### **ALLOWED 100-LEVEL COURSES FOR ZOOLOGY BS STUDENTS**

ANTH 140 Primates and Anthropology

ASCI 141 Anatomy and Physiology of Domestic Animals

ASCI 171 Zoos, Exotics, and Endangered Species

WFB 130/131 Ornithology/Field Ornithology

WFB 141 Field Herpetology