**Upper-Level Biology Courses**

**Fall 2022 / Spring & Summer 2023**

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| **Course/****Class #** | **Course Title** | **Biology Pre-requisites** | **Designation** | **Taught** |
| 3010C | Botany | G & either C or E | E, Lab | 23SS |
| 3011C | Environmental Field Techniques | E & G | E, Lab | 23US |
| 3012C | Ornithology | E & G | A, E, Lab | 23US |
| 3015 | Economic Botany | G & either C or E | C, E | 22FS |
| 3017C | Analytical Tools for Behavior | G & E | A, E, Lab | 22FS |
| 3020C | Human & Comparative Anatomy | G & either C or E | A, B, C, Lab \* | 22FS & 23SS |
| 3021 | Human & Comparative Physiology | C | A, B \* | 22FS |
| 3024/3024L | Aquatic Biology | E & G | A, E, Lab | 22FS |
| 3027 | Introduction to Biotechnology | C | B, C \* | 22FS |
| 3030 | Human Genetics | G & either C or E | B, C \* | 23SS |
| 3041 | Biology of Sex | G & either C or E | A, B, C, E | 22FS |
| 3042 | Animal Movement  | E & G | A, E | 23SS |
| 3051C | Flowering Plant Classification | G & E | E, Lab \* | 22FS |
| 3052 | Medical Botany  | G & either C or E | B, C, E \* | 23SS |
| 3077 | DNA Forensics | G & either C or E | A, B, C, E \* | 23SS |
| 4011/4011L | Microbiology | C | A, B, C, Lab  | 22FS |
| 4020C | Invertebrate Zoology | G & either C or E | A, B, E, Lab | 23SS |
| 4022C | Vertebrate Zoology | G & either C or E | A, B, E, Lab | 22FS |
| 4023 | Conservation Biology | G & E | A, E \* | 23SS |
| 4025C | Plant Physiology | G & either C or E | C, E, Lab \* | 22FS |
| 4030 | Animal Behavior | G & either C or E | A, E  | 22FS |
| 4040 | Neurobiology | C | A, B, C | 22FS |
| 4041 | Sensory Physiology | C | A, B, C  | 23SS |
| 4043/4043L | Medical Parasitology | C | A, B, C, Lab | 22FS |
| 4052 | Developmental Biology | C | A, B, C | 22FS |
| 4053C | Molecular Development Lab | G & C | A, B, C, Lab | 23SS |
| 4070 | Genes and Behavior | G & either C or E | A, B, C, E \* | 23SS |
| 4091C | Biotechnology Lab | C | B, C, Lab \* | 23SS |
| 4093C | Urban Ecosystem Research | G & either C or E | A, E, Lab \* | 23SS |
| 5102C | Bioinformatics | G & either C or E | B, C, Lab \* | 23SS |
| 5142 | Toxicology | G & either C or E | B, C, E  | 23SS |
| 5180 | Immunology | C | A, B, C | 22FS |
| 5193C | Human Physiology Biomechanics | G & either C or E | A, B, Lab\* | 23SS |

Prerequisites: G (BIOL2083), E (BIOL/EVST2084C), C (BIOL2085C), F (BIOL1082 & 1082L)

Concentrations: A-Animal, B-Biomedical, C-Cell and Molecular, E-Ecology

Lab: counts as upper level Lab course

Undergraduate Research: available year-round (FS - Biol 4095, SS - Biol 4096, US - Biol 4097)

Semester Codes: 22FS-Fall 2022, 23SS-Spring 2023, 23US-Summer 2023

\* Capstone courses