

# Online Biology Major Electives

## Fall 2022

Students may only use a course once to satisfy major elective requirements.

Courses in **BOLD** satisfy the Writing Emphasis requirement. Courses marked with \* satisfy the Lab requirement.



### Ecology, Evolution & Behavior

ECOL 326—Genomics (3-units) (7W2)  
ECOL 409—Evolution of Infectious Disease (3-units) (7W2)  
ECOL 487RL—Animal Behavior Lab \* (1-unit) (7W1)  
ECOL 487R—Animal Behavior Lecture (3-unit) (7W1)  
GEOS 330 Intro to Remote Sensing (3-units) (7W2)  
RNR 417 GIS for Natural and Social Science \* (3-units) (FULL)



### Biology of Organisms

#### Microorganismal

ECOL 409—Evolution of Infectious Disease (3-units) (5W2)  
IMB 401—Medical Microbiology & Immunology (3-units) (FULL)  
IMB 402—Medical Microbiology Basics (1-unit) (7W1)  
IMB 404—Medical Virology Basics (1-unit) (7W2)

#### Macroorganismal

ECOL 485—Mammalogy \* (4-units) (7W2)  
ECOL 487RL—Animal Behavior Lab \* (1-unit) (7W1)  
ECOL 487R—Animal Behavior Lecture (3-unit) (7W1)

### Lower Division Biology

ECOL 220—Evolutionary Medicine (3-unit) (7W1)  
ECOL 223—Human Genetics & Evolution (3-units) (7W2)  
MIC 205A—General Microbiology (3-units) (7W1)

### Cell & Molecular Biology

ECOL 326—Genomics (3-units) (7W2)  
IMB 401—Medical Microbiology & Immunology (3-units) (FULL)  
NROS 310—Molecular & Cellular Biology of Neurons (3-4 units) (7W2)  
NSCS 307—Cellular Neurophysiology (3-4 units) (7W2)

### Physiology

PSIO 201—Human Anatomy & Physiology I \* (4-units) (7W1)  
PSIO 202—Human Anatomy & Physiology II \* (4-units) (7W2)  
PSIO 380—Fundamentals of Human Physiology (3-units) (FULL)  
NSCS 307—Cellular Neurophysiology (3-4 units) (7W2)

PSIO 201 & PSIO 202 must be taken together to apply towards degree.  
Must check upper-division units with advisor if taking this set.

### Science & Society

ECOL 220—Evolutionary Medicine (3-unit) (7W1)  
ECOL 326—Genomics (3-units) (7W2)  
ECOL 409—Evolution of Infectious Disease (3-units) (7W2)  
EPID 309—Introduction to Epidemiology (3-units) (FULL)  
HPS 387—Health Disparities & Minority Health (3-units) (7W1)  
MCB 404—Bioethics (3-4 units) (FULL)  
PA 321—Medical Ethics (3-units) (7W1 & 7W2)  
PHP 305—Population Health in the Digital Age (3-units) (7W2)  
PHP 308—Community Health Ed for Disease Outbreaks (3-units)  
(7W1 & 7W2)

### Genetics

ECOL 326—Genomics (3-units) (7W2)

