

Biology Elective Courses

Biology elective classes are typically offered on an every year or every other year basis. The tables below show courses that are considered elective for at least one, but not necessarily all, of the biology emphasis areas.

300-Level Courses

| Number | Title |
|----------|--|
| BIO 325 | Introduction to Cancer Biology |
| BIO 330 | Plant systematics |
| BIO 331 | General entomology |
| BIO 333 | General parasitology |
| BIO 334 | Mammalogy |
| BIO 335 | Survey of fishes, amphibians, & reptiles |
| BIO 336 | Ornithology |
| BIO 337 | Morphogenesis of algae and fungi |
| BIO 341 | Human anatomy |
| BIO 345 | Comparative vertebrate morphogenesis |
| BIO 350* | Human physiology |
| BIO 354 | General plant physiology |
| BIO 355 | Medical Pharmacology |
| BIO 362 | Principles of animal behavior |
| BIO 380 | Aquatic biology |
| BIO 381 | Principles of Immunology |

*This course is required for students in the Pre-health and Biomedical emphasis.

400-Level courses

| Number | Title |
|---------|---|
| BIO 408 | Workshop |
| BIO 422 | Directed Studies |
| BIO 425 | Molecular Genetics* |
| BIO 440 | Anatomy and morphogenesis of plants |
| BIO 442 | Molecular and Cellular Lab** |
| BIO 450 | Cell Physiology** |
| BIO 462 | Conservation Biology |
| BIO 466 | Animal Physiological Ecology |
| BIO 467 | Animal Physiological Ecology Lab |
| BIO 468 | Disturbance Ecology |
| BIO 476 | Pharmacology |
| BIO 492 | Internship in Biological Sciences |
| BIO 494 | Practicum in College Biological Instruction |
| BIO 495 | Special Topics in Biology |

*This course is required for students in the Cell/Molecular emphasis.

**This class is required for students in both the Pre-health and Biomedical and Cell/Molecular emphases.

500-Level courses

| Number | Title | Number | Title |
|---------------|--|---------------|---|
| BIO 501 | Current Issues in Biology | BIO 555 | Reproductive and developmental biology |
| BIO 508 | Workshop | BIO 556 | Current topics in biomedical research |
| BIO 509 | Advanced Placement | BIO 557 | Mammalian Physiology I Lab |
| BIO 512 | TA Development Seminar | BIO 558 | Mammalian Physiology II Lab |
| BIO 513 | Professional Renewal | BIO 559 | Plant reproductive growth and development |
| BIO 521 | Advanced genetics | BIO 560 | Behavioral ecology |
| BIO 524 | Genomics | BIO 561 | Plant ecology |
| BIO 525 | Molecular Genetics | BIO 562 | Conservation biology |
| BIO 526 | Population genetics | BIO 563 | Animal Communication |
| BIO 527 | Bioinformatics | BIO 564 | Plant ecology laboratory |
| BIO 530 | Plant systematics | BIO 566 | Animal Physiological Ecology |
| BIO 533 | General Parasitology | BIO 567 | Animal Physiological Ecology Lab |
| BIO 534 | Mammalogy | BIO 568 | Disturbance ecology |
| BIO 535 | Survey of fishes, amphibians, & reptiles | BIO 569 | Conceptual issues in evolution |
| BIO 537 | Morphogenesis of algae and fungi | BIO 570 | Coevolution in ecological systems |
| BIO 538 | Ornithology | BIO 572 | Species and Speciation |
| BIO 540 | Anatomy and morphogenesis of plants | BIO 576 | Pharmacology |
| BIO 544 | Comparative vertebrate adaptations | BIO 580 | Mammalian Endocrinology |
| BIO 545 | Pathogenic Microbiology | BIO 581 | Neurobiology |
| BIO 546 | Pathogenic Microbiology Lab | BIO 582 | Cancer biology |
| BIO 547 | Immunology and disease | BIO 585 | Topics in Field Biology |
| BIO 548 | Virology | BIO 591 | Biology Roundtable |
| BIO 549 | Virology Lab | BIO 592 | Internship in Biological Sciences |
| BIO 550 | Cell Physiology | BIO 594 | Foundations of biological research |
| BIO 552 | Mammalian physiology I | BIO 595 | Special Topocs in Biology |
| BIO 553 | Mammalian physiology II | | |

