

Approved Advanced Biology Classes

Check the schedule of classes (<http://schedule.msu.edu/>) for the most up-to-date listings of course offerings

Course Num. (Cr-Sem)	Course Name	Course Num. (Cr-Sem)	Course Name
ANP 441 (4)	Osteology and Forensic Anthropology	MMG 413 (3)	Virology
ANS 407 (3)	Food and Animal Toxicology	MMG 421 (3)	Prokaryotic Cell Physiology
ANTR 350 (3)	Human Gross Anatomy & Structural Biology	MMG 431 (3)	Microbial Genetics
BMB 490 (1-3cr) OR BMB 499 (1-3cr)	Independent Research <i>(up to 3 credits for either)</i> Senior Thesis <i>(research component)</i>	MMG 433 (3)	Microbial Genomics
BMB 800- level courses	By Instructor Approval and Override	MMG 451 (3)	Immunology
BIO 405 (3)	Neural Basis of Animal Behavior	MMG 461 (3 – S even yrs)	Molecular Pathogenesis
BLD 439 (1)	Histocompatibility and Immunogenetics	NEU 300 (4)	Neurobiology
BLD 446 (1)	Immunobiology of Neoplasia	NSC 491(1)	Job Search Strategies For Science Majors (Preference given to College of Natural Science Sophomore, Junior, and Senior students)
BLD 447 (1)	Immunomodulation and Immunotherapy	OST 401 (1)	Selected Topics in Osteopathic Medicine
CEM 333 (3)	Instrumental Methods and Applications	PHM 321 (3)	Common Drugs
CEM 485(3- S even yrs)	Modern Nuclear Chemistry	PHM 350 (3)	Introductory Human Pharmacology
CMSE 410 (3)	Bioinformatics and Computational Biology	PHM 351 (2)	Fundamentals of Drug Safety
CMSE 411(3-F odd yrs)	Computational Medicine	PHM 421 (3)	Clinical Toxicology
CSS 350 (3)	Introduction to Plant Genetics	PHM 422 (2)	Fundamentals of Neuropharmacology
CSS 441 (3)	Plant Breeding and Biotechnology	PHM 431 (3)	Pharmacology of Drug Addiction
CSS 451 (3)	Biotechnology Applications For Plant Breeding and Genetics	PHM 440 (1)	Principles of Drug Action
FSC 401 (3)	Food Chemistry	PHM 450 (3)	Introduction to Chemical Toxicology
FSC 402 (1)	Food Chemistry Laboratory	PHM 454 (3)	Leadership and Teams for Scientists and Health Professionals (Juniors and Seniors only)
FSC 440 (3)	Food Microbiology	PHM 461 (2)	Tropical Medicine Pharmacology
FSC 441 (2)	Food Microbiology Laboratory	PHM 483 (3)	Chemotherapy of Infectious Diseases
FSC 455 (3)	Food and Nutrition Laboratory	PHM 492 (2)	Pharmacotherapy of Human Viral Infections
GLG 421 (4)	Environmental Geochemistry	PLB 301 (3)	Introductory Plant Physiology
GLG 435 (4)	Geomicrobiology	PLB/PLP 402 (4 – F odd yrs)	Biology of Fungi
IBIO 320 (4)	Developmental Biology	PLB 415 (3)	Plant Physiology
IBIO 328 (4)	Comparative Anatomy and Biology of Vertebrates (W)	PLB 416L (2)	Plant Physiology Laboratory
IBIO 341 (4)	Fundamental Genetics	PLP 405 (4)	Plant Pathology
IBIO 408 (4)	Histology	PSL 310 (4)	Physiology for Pre-Health Professionals
IBIO 425 (4)	Cells and Development (W)	PSL 311L (2)	<i>Physiology Lab for Pre-Health Professionals</i>
IBIO 445 (3)	Evolution (W)	PSL 425 (3)	Physiological Biophysics
IBIO 450 (3)	Cancer Biology (W)	PSL 431 (4)	Human Physiology I
LB 348 (3)	Research Experiences in Biology: Exploring Genomes and Personal Genomics Data <i>(restricted to Lyman Briggs Students)</i>	PSL 432 (4)	Human Physiology II
MMG 301 (3)	Introductory Microbiology	STT 231 (3)	Statistics For Scientists
MMG 302 (1)	Introductory Laboratory For General & Allied Health Microbiology	STT 464 (3)	Statistics For Biologists
MMG 365 (3)	Medical Microbiology <i>(by override from MMG)</i> <i>(Formerly MMG 463)</i>		
MMG 404 (3)	Human Genetics		
MMG 408 (3)	Advanced Microbiology Laboratory (W) <i>(by override from MMG)</i>		
MMG 409 (3)	Eukaryotic Cell Biology		