

Active Upper-level Biology Lectures and Labs

Prefix	Number	Title	Lecture	Lab	Credit	When offered? (can vary)
General Biology courses						
BIOL	L312	Cell Biology lecture	✓		3	Fall/Spring
BIOL	L313	Cell Biology laboratory		✓	3	Fall/Spring
BIOL	L319	Genetics laboratory		✓	3	Fall/Spring
BIOL	L324	Human Molecular Biology lab (□ Credit given for only 1 of BIOL-L 323, BIOL-L 324, or BIOL-S 211.)		✓	3	Spring
BIOL	L388	Digital Biology	✓		3	Spring
BIOL	L410	Topical Issues in Biology	✓		3	Fall/Spring
BIOL	L411	Adv. Gene Regulation: Transcription, Epigenetics, & Human Disease	✓		3	Spring
BIOL	L486	Advanced Cell Biology	✓		3	Spring
BIOL	L487	Molecular Mechanisms of Development & Disease	✓		3	Spring
BIOL	S318	Evolution, Honors		✓	4	Every fall; every alternate spring
BIOL	Z462	Genetics of Behavior	✓		3	Spring
Plant-Related courses						
BIOL	B300	Vascular Plants	✓	✓	4	Spring
Animal-Related courses						
BIOL	L331	Intro to Human Genetics	✓		3	Fall/Spring
BIOL	L376	Biology of Birds	✓	✓	4	Fall/Spring
BIOL	L417	Stem Cells in Development, Disease, & Regeneration	✓		3	Spring
BIOL	Z406	Vertebrate Zoology	✓	✓	5	Spring
BIOL	Z460	Animal Behavior (Ethology)	✓		3	Fall/Spring
Ecology and Environmental courses						
BIOL	L402	Ecosystems and Global Change	✓		3	Variable (Spring)
EAS	E341	Natural History of Coral Reefs (formerly GEOL-G 341)	✓		3	Spring
SPEA	E457	Intro to Conservation Biology	✓		3	Variable
Anatomy/Physiology/Health Professions-Related courses						
ANAT	A464	Human Tissue Biology	✓	✓	4	Spring
BIOL	L321	Human Immunology	✓		3	Spring
BIOL	L412	Analysis of Cancer Research	✓		3	Fall/Spring
BIOL	P451	Integrative Human Physiology	✓	✓	4	Fall/Spring
MSCI	M480	Molecular Biology of Cancer: Cell Signaling and Fate	✓		3	Spring
MSCI	M485	Physiology of Human Disease	✓		4	Fall/Spring
PSY	P467	Diseases of the Nervous System	✓		3	Spring
PSY	P473	Lab in Molecular Neuroscience		✓	4	Spring, sometimes Fall
Microbiology courses						
BIOL	M315	Microbiology laboratory (credit only given for 1 of M315 or M316)		✓	2	Fall/Summer/sometimes Spring
BIOL	M350	Microbial Physiology and Biochemistry	✓		3	Spring
BIOL	M360	Microbial Physiology laboratory		✓	3	Spring/sometimes Fall
BIOL	M375	Human Parasitology (same course as MSCI-M 375)	✓	✓	4	Variable (Spring)
BIOL	M430	Virology lecture	✓		3	Spring
BIOL	M435	Viral-Tissue-Culture laboratory (Pre or Corequisite of M430)		✓	3	Spring
MSCI	M375	Parasitology (same course as BIOL-M 375)	✓	✓	4	Variable (Spring)
Molecular Life Sciences courses						
MLS	M388	Digital Biology: Bioinformatics	✓		3	Spring
MLS	M430	Advanced Gene Regulation: Trans, Epigen, & Human Disease	✓		3	Spring
MLS	M440	Membranes and Signal Transduction	✓		3	Spring
Biotechnology courses						
BIOT	T315	Biotechnology laboratory		✓	3	Fall/Spring
BIOT	T440	Structure, Function, and Regulation of Biomolecules	✓		3	Spring
Biochemistry courses						
CHEM	C383	Human Biochemistry	✓		3	Fall/Spring
CHEM	C483	Biological Chemistry	✓		3	Fall/Spring/sometimes Summer
CHEM	C484	Biomolecules and Catabolism	✓		3	Fall/Spring

NOTE: Some courses might not be offered in the semester(s) indicated. Course offerings may vary.

The following courses do NOT count as upper-level Biology lectures or labs: BIOL-L 322, BIOL-X 371, BIOL-X 473, BIOL-X 490, BIOT- T 301, BIOT-T 312, BIOT-T 322, and BIOT-X 498. This is also true of some other 300/400-level Biology courses. Please check this list or ask a Biology advisor before assuming a class will count as a lecture or lab.

★ Most courses have prerequisites. Always check the Bulletin and Schedule of Classes for course information before taking a course.

revised
10/21/2020

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Prefix	Number	Title	Lecture	Lab	Credit	When offered? (can vary)
<i>Combined Lectures and Labs</i>						
ANAT	A464	Human Tissue Biology	✓	✓	4	Spring
BIOL	B300	Vascular Plants	✓	✓	4	Spring
BIOL	L376	Biology of Birds	✓	✓	4	Fall/Spring
BIOL	M375	Human Parasitology (same course as MSCI-M 375)	✓	✓	4	Variable (Spring)
BIOL	P451	Integrative Human Physiology	✓	✓	4	Fall/Spring
BIOL	Z406	Vertebrate Zoology	✓	✓	5	Spring
MSCI	M375	Parasitology (same course as BIOL-M 375)	✓	✓	4	Variable (Spring)
<i>Lecture Courses</i>						
BIOL	L312	Cell Biology lecture	✓		3	Fall/Spring
BIOL	L321	Human Immunology	✓		3	Spring
BIOL	L331	Intro to Human Genetics	✓		3	Fall/Spring
BIOL	L388	Digital Biology	✓		3	Spring
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CHEM	C383	Human Biochemistry	✓		3	Fall/Spring
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CHEM	C484	Biomolecules and Catabolism	✓		3	Fall/Spring
EAS	E341	Natural History of Coral Reefs (formerly GEOL-G 341)	✓		3	Spring
MLS	M388	Digital Biology: Bioinformatics	✓		3	Spring
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PSY	P467	Diseases of the Nervous System	✓		3	Spring
SPEA	E457	Intro to Conservation Biology	✓		3	Variable
<i>Lab Courses</i>						
BIOL	L313	Cell Biology laboratory		✓	3	Fall/Spring
BIOL	L319	Genetics laboratory		✓	3	Fall/Spring
BIOL	L324	Human Molecular Biology lab (□ Credit given for only 1 of BIOL-L 323, BIOL-L 324, or BIOL-S		✓	3	Spring
BIOL	M315	Microbiology laboratory (credit only given for 1 of M315 or M316)		✓	2	Fall/Summer/sometimes Spring
BIOL	M360	Microbial Physiology laboratory		✓	3	Spring/sometimes Fall
BIOL	M435	Viral-Tissue-Culture laboratory (Pre or Corequisite of M430)		✓	3	Spring
BIOL	S318	Evolution, Honors		✓	4	Every fall; every alternate spring
BIOT	T315	Biotechnology laboratory		✓	3	Fall/Spring
PSY	P473	Lab in Molecular Neuroscience		✓	4	Spring, sometimes Fall

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