

## Fall 2021 Upper-level Biology Lectures and Labs

Prefix	Number	Title	Lecture	Lab	Credits	When offered? (can vary)
<b>General Biology courses</b>						
BIOL	L312	Cell Biology lecture	✓		3	Fall/Spring
BIOL	L313	Cell Biology laboratory		✓	3	Fall/Spring
BIOL	L319	Genetics laboratory		✓	3	Fall/Spring
BIOL	L323	Molecular Biology lab (□ Credit given for only 1 of		✓	3	Fall
BIOL	L410	Topical Issues in Biology	✓		3	Fall/Spring
BIOL	L485	Genetics, Models of Human Disease, & Critical Analysis of Research	✓		3	Fall
BIOL	S211	Molecular Biology, Honors [* see note above re: BIOL-L 323/L 324]		✓	5	Variable - typically fall
BIOL	S318	Evolution, Honors		✓	4	Every fall; every alternate spring
<b>Plant-Related courses</b>						
BIOL	B371	Ecological Plant Physiology	✓		3	Fall
<b>Animal-Related courses</b>						
ABEH	A350	Animal Behavior Laboratory		✓	3	Fall
BIOL	L331	Intro to Human Genetics	✓		3	Fall/Spring
BIOL	L376	Biology of Birds	✓	✓	4	Fall/Spring
BIOL	Z373	Entomology (insects)	✓	✓	3	Typically Fall
BIOL	Z375	Invertebrate Zoology laboratory		✓	2	Fall
BIOL	Z460	Animal Behavior (Ethology)	✓		3	Fall/Spring
BIOL	Z476	Biology of Fishes	✓		3	Variable (Fall)
<b>Ecology and Environmental courses</b>						
BIOL	L307	Biodiversity	✓	✓	3	Fall
BIOL	L326	Biodiverse-City	✓		3	Variable
BIOL	L474	Field and Laboratory Ecology		✓	3	Fall/Summer
SPEA	E455	Limnology	✓	✓	4	Fall
SPEA	E457	Intro to Conservation Biology	✓		3	Variable
<b>Anatomy/Physiology/Health Professions-Related courses</b>						
ANAT	A464	Human Tissue Biology	✓	✓	4	Spring
BIOL	P451	Integrative Human Physiology	✓	✓	4	Fall/Spring
MSCI	M485	Physiology of Human Disease	✓		4	Fall/Spring
PHSL	P416	Comparative Animal Physiology	✓		3	Variable
PSY	P473	Lab in Molecular Neuroscience		✓	4	Spring, sometimes Fall
<b>Microbiology courses</b>						
BIOL	M315	Microbiology laboratory (credit only given for 1 of M315 or M316)		✓	2	Fall/Summer/sometimes Spring
BIOL	M380	Microbiology of Infectious Disease	✓		3	Fall
BIOL	M440	Medical Microbiology lecture	✓		3	Fall
BIOL	M445	Medical Microbiology laboratory		✓	3	Fall
BIOL	M480	Microbial and Molecular Genetics	✓		3	Fall
<b>Molecular Life Sciences courses</b>						
MLS	M410	Protein Metabolism	✓		3	Fall
MLS	M420	Genome Duplication and Maintenance	✓		3	Fall
MLS	M450	Molecular Mechanisms of Cancer	✓		3	Fall
<b>Biotechnology courses</b>						
BIOT	T310	Biotechnology lecture	✓		3	Fall
BIOT	T315	Biotechnology laboratory		✓	3	Fall/Spring
BIOT	T425	Lab in Macromolecules		✓	3	Fall
<b>Biochemistry courses</b>						
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.**

## Fall 2021 Upper-Level Biology Lectures and Labs, continued –

Prefix	Number	Title	Lecture	Lab	Credits	When offered? (can vary)
<b>Lecture Courses</b>						
BIOL	B371	Ecological Plant Physiology	✓		3	Fall
BIOL	L312	Cell Biology lecture	✓		3	Fall/Spring
BIOL	L326	Biodiverse-City	✓		3	Variable
BIOL	L331	Intro to Human Genetics	✓		3	Fall/Spring
BIOL	L410	Topical Issues in Biology	✓		3	Fall/Spring
BIOL	L485	Genetics, Models of Human Disease, & Critical Analysis of Research	✓		3	Fall
BIOL	M380	Microbiology of Infectious Disease	✓		3	Fall
BIOL	M440	Medical Microbiology lecture	✓		3	Fall
BIOL	M480	Microbial and Molecular Genetics	✓		3	Fall
BIOL	Z460	Animal Behavior (Ethology)	✓		3	Fall/Spring
BIOL	Z476	Biology of Fishes	✓		3	Variable (Fall)
BIOT	T310	Biotechnology lecture	✓		3	Fall
CHEM	C383	Human Biochemistry	✓		3	Fall/Spring
CHEM	C483	Biological Chemistry	✓		3	Fall/Spring/sometimes Summer
CHEM	C484	Biomolecules and Catabolism	✓		3	Fall/Spring
MLS	M410	Protein Metabolism	✓		3	Fall
MLS	M420	Genome Duplication and Maintenance	✓		3	Fall
MLS	M450	Molecular Mechanisms of Cancer	✓		3	Fall
MSCI	M485	Physiology of Human Disease	✓		4	Fall/Spring
PHSL	P416	Comparative Animal Physiology	✓		3	Variable
SPEA	E457	Intro to Conservation Biology	✓		3	Variable
<b>Lab Courses</b>						
ABEH	A350	Animal Behavior Laboratory		✓	3	Fall
BIOL	L313	Cell Biology laboratory		✓	3	Fall/Spring
BIOL	L319	Genetics laboratory		✓	3	Fall/Spring
BIOL	L323	Molecular Biology lab (□ Credit given for only 1 of		✓	3	Fall
BIOL	L474	Field and Laboratory Ecology		✓	3	Fall/Summer
BIOL	M315	Microbiology laboratory (credit only given for 1 of M315 or M316)		✓	2	Fall/Summer/sometimes Spring
BIOL	M445	Medical Microbiology laboratory		✓	3	Fall
BIOL	S211	Molecular Biology, Honors [★ see note above re: BIOL-L 323/L 324]		✓	5	Variable - typically fall
BIOL	S318	Evolution, Honors		✓	4	Every fall; every alternate spring
BIOL	Z375	Invertebrate Zoology laboratory		✓	2	Fall
BIOT	T315	Biotechnology laboratory		✓	3	Fall/Spring
BIOT	T425	Lab in Macromolecules		✓	3	Fall
PSY	P473	Lab in Molecular Neuroscience		✓	4	Spring, sometimes Fall
<b>Lecture/Lab Combo Courses</b>						
ANAT	A464	Human Tissue Biology	✓	✓	4	Spring
BIOL	L307	Biodiversity	✓	✓	3	Fall
BIOL	L376	Biology of Birds	✓	✓	4	Fall/Spring
BIOL	P451	Integrative Human Physiology	✓	✓	4	Fall/Spring
BIOL	Z373	Entomology (insects)	✓	✓	3	Typically Fall
SPEA	E455	Limnology	✓	✓	4	Fall

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