

Courses listed in **BOLD** type fulfill Biology F&F requirement (1 reqd). Courses listed in *ITALIC* type cannot be applied to Biology elective reqmts. This schedule is subject to frequent changes. See the on-line class schedule for the most accurate information.

<b>BIOL</b>	<b>TITLE</b>	<b>CR</b>	<b>NOTES</b>	<b>LAB</b>	<b>PRE-REQUISITES/COMMENTS (C- or better)</b>	<b>SEM</b>
1006	<i>World of Dinosaurs</i>	3	SF		<i>Not counted toward BIOL Degree.</i>	F
1010	<i>Biology in the 21st Century</i>	3	SF		<i>Not counted toward BIOL Degree.</i>	F/S
1030	<i>Human Biology</i>	3	SF		<i>Not counted toward BIOL Degree.</i>	(Korea)
1210	Principles of Biology	4	SF			ALL
2005	Doing Science: the Biology of Variation	3	Honors	[L2]	Instructor Consent -and- Member of Honors College	F
2010	Evolution & Diversity of Life	3			BIOL 1210 -or- AP4+	F/S
2015	Evolution & Diversity Lab	2		[L1]	BIOL 1210 -or- AP4+	F/S
2020	Principles of Cell Biology	3			BIOL 1210 -or- BIOEN 1020 - or- AP4+ -and- CHEM 1210 -or- 1211 -or- AP4+	F/S
2021	Principles of Cell Science	4	Honors		BIOL1210 -or- AP4+ -and- CHEM1210 -or- 1211 -or- AP4+ -or- Instructor Consent	F
2030	Principles of Genetics	3			BIOL 2020 -or- 2021	F/S
2210	Human Genetics	3	SF		BIOL 1210 -or- AP4+	F
2325	Human Anatomy	4		[L1]		ALL
2355	Field Botany	2	Half Sem	[L1]		Su
2420	Human Physiology	4	AS		BIOL 1210 -or- AP4+ -and- CHEM 1110 -or- 1210 -or- 1211 -or- AP4+	ALL
2425	Human Physiology Lab	1		[L1]	*Co-Req: BIOL 2420 -or- 2421	Su/F
2800	Fresher Forum	1	Half Sem		Freshman -or- Sophomore -or- Instructor Consent	F
3080	<i>Dental Sch Science &amp; Lab preparation</i>	4			<i>Not counted toward BIOL Degree.</i>	S
3125	Mol Tools for Evol & Pop Biology	3		[L2]	BIOL 2010 -and- 2030	S (odd)
3205	General Microbiology Lab	1		[L1]	*Co-Req: BIOL 3210 -or- 3370 -or- PATH 3100	F/S
3210	General & Pathogenic Microbiology	3	CEL		BIOL 2020 -or- 2021 -and- CHEM 1110 -or- 1210 -or- 1211 -or- AP4+	F/S
3230	Developmental Biology	3			BIOL 2020 -or- 2021 -and- 2030	S
3240	Intro to Cellular Neurobiology	3			BIOL 2020 -or 2021	F
3270	Microbial Ecosystems	3			BIOL 2010	S (odd)
<b>3310</b>	<b>Comp Vertebrate Morphology</b>	3	<b>F&amp;F</b>		BIOL 2010	F
3315	Comp Vertebrate Morphology Lab	1		[L1]	BIOL 2010	F
<b>3320</b>	<b>Comparative Physiology</b>	3	<b>F&amp;F</b>		BIOL 2010	F
3325	Comparative Physiology Lab	3		[L2]	BIOL 1210 -or- AP4+	S
<b>3330</b>	<b>Behavioral Neurobiology</b>	3	<b>F&amp;F</b>		BIOL 2010 -and- 2020 -or- 2021	F
<b>3340</b>	<b>Intro to Plant Biology</b>	3	<b>F&amp;F</b>		BIOL 1210 -or- AP4+	F
<b>3350</b>	<b>Physiology of Plants</b>	3	<b>F&amp;F</b>		BIOL 2020 -or- 2021 -and- CHEM 2310 -or- 2311	S (odd)
3360	Vertebrate Embryology	3			BIOL 2325	F (even)
<b>3370</b>	<b>Microbial Biology</b>	3	<b>F&amp;F</b>		BIOL 2020 -or- 2021	S
<b>3380</b>	<b>Evol &amp; Physiol Basis of Health</b>	3	<b>F&amp;F</b>		BIOL 2020 -or- 2021 -or- 2420 -or- 2421	F
3400	Role of Math in Medicine (MATH 3600)	3			MAB 3+ -or- ACT 28+ -or- SAT 630+ -or- CLM 95+ -or- [MATH 1050 + 1060] -or- MATH 1080 -or- [BIOL 2010 -or- 2020 -or 2021 -or- 2030] -and- Instructor Consent	S (most)
3410	Ecology & Evolution	3			BIOL 2010 -and- MATH 1170 -or- 1310 -or- 1210 - or- 1250 -or- AP Calc AB4+ -or- BC3+	S
3430	Behavioral Ecology	3			BIOL 2010	S (even)
3450	Rainforest Ecology & Conservation (SL)	3	SF, IR		BIOL 1210 -or- AP4+	S (odd)
3460	Global Environmental Issues (SL)	3	SF, IR, CEL			F
3470	Conservation Biology	3	AS			S
3480	Biography of an Urban Stream	3		[L1]		F/Su
3485	Conservation Biology Field Lab	1		[L1]	BIOL 2010 -and- *Co-Req: BIOL 3470 Recommend: BIOL 3410	S
3510	Biological Chemistry I	3	CEL		CHEM 2310 -or- 2311	ALL
3515	Biological Chemistry Lab	3		[L1]	*Co-Req: BIOL 3510 -or- CHEM 3510	S
3520	Biological Chemistry II	3			BIOL 3510 -or- CHEM 3510	S
3525	Molecular Biology of DNA Lab	3		[L2]	Recommend BIOL 3510	F
3550	Physical Principles in Biology	3	QI		BIOL 1210 -or- AP4+ -and- CHEM 1210 -or- 1211 -or- PHYS 2010 -or- 2110 -or- 2210 -or- 3210 -and- MATH 1170 -or- 1210 -or- 1250 -or- 1310	F
3551	Physical Principles in Biology	3	Honors, QI		BIOL 1210 -or- AP4+ -and- CHEM 1210 -or- 1211 -or- PHYS 2010 -or- 2110 -or- 2210 -or- 3210 -and- MATH 1170 -or- 1210 -or- 1250 -or- 1310 -and- member of Honors College	F
3670	<i>Sci Comm for the Next Generation</i>	3	CW, CEL		<i>Not counted toward BIOL Degree.</i>	S '17
3710	Biology, Society & Public Engagement	3				S
3960	Special Topics in Biology	1-5			Topics vary. Instructor Consent.	
4080	<i>Dental Observation</i>	1-4			<i>BIOL 3080; Not counted towards BIOL degree.</i>	ALL
4876	Journal Club/Seminar	1			Instructor Consent.	F/S
4950	Directed Reading	1-5			Instructor Consent.	ALL
4955	Individual Research	1-3		[L1 - L2]	Instructor Consent.	ALL
4965	Independent Professional Internship	1-3			Instructor Consent	ALL
4995	Biology Honors Research	1-4		[L1 - L2]	Instructor Consent -and- member of Honors College	ALL
4999	Honors Thesis/Project	3	Honors		Instructor Consent -and- member of Honors College	ALL

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5030	Basic Immunology	3			BIOL 2020 -or- 2021	F
5120	Gene Expression	3			BIOL 2020 -or- 2021	F
5140	Genome Biology	3			BIOL 2020 -or- 2021 -and- BIOL 2030	S
5210	Cell Structure & Function	3			BIOL 2020 -or- 2021	S
5221	Human Evolutionary Genetics	4	QI	[L1]	MATH 1170 -or- 1310 -or- 1210 -or- 1250	F (odd)
5255	Prokaryotic Genetics	3	Half Sem	[L2]	Recommend BIOL 2020 -or- 2021 -and- BIOL 2030	F
5270	Microbial Ecosystems	3			BIOL 2010	S (odd)
5275	Microbial Diversity, Genomics & Evolution	4		[L1]	BIOL 2010 -and- 2030	F
5312	Human Dissection	1			Instructor Consent.	F/S
5313	<i>Teaching Anatomy</i>	1-2			Instructor Consent.	F/S
5314	Anatomy Colloquium	1			Instructor Consent.	F
5315	Advanced Human Anatomy	3		[L1]	BIOL 2325	S
5316	Anatomy & Physiology Colloquium	1			Instructor Consent.	S
5345	Natural History of the CO Plateau	3		[L1]	BIOL 2010	Su (odd)
5346	Natural History of the CO Plateau	3	Honors	[L1]	BIOL 2010 -and- member of Honors College	Su (odd)
<b>5365</b>	<b>Form, Function, &amp; Adaptation of Plants</b>	4	<b>F&amp;F</b>	[L1]	Recommend BIOL 2010	S (even)
5370	Mammalogy	3			BIOL 2010	S
5385	Ornithology	4		[L2]	BIOL 2010	S (odd)
5400	The Role of Mathematics in Medicine	3			MAB 3+ -or- ACT 28+ -or- SAT 630+ -or- CLM 95+ -or- [MATH 1050 + 1060] -or- MATH 1080 -or- [BIOL 2010 -or- 2020 -or- 2021 -or- 2030] -and- Instructor Consent	S (most)
5425	Mycology	4		[L1]	BIOL 2010	F
5430	Biography of an Urban Stream	3		[L1]		F/Su
5435	Plant Systematics	4		[L1]	Recommend BIOL 2020 -and- 3410	F (even)
5440	Urban Ecology	3				S
5445	Entomology	4	CEL	[L1]	BIOL 2010	F18
5455	Desert Ecology Field Course	3		[L1]	Instructor Consent.	F17/S20
5460	Plant Ecology in a Changing World	3			BIOL 2010 -or- Instructor Consent.	F
5465	Plant Ecology Lab	3		[L2]	Recommend BIOL 3410	F
5471	Quantitative Models in Evolutionary Ecology	4	QI		MATH 1050 -and- *Co-Req: BIOL 3410	S
5490	Ecosystem Ecology	3			CHEM 1220 -or- 1221	F (odd)
5495	Biophysical Ecology	4	QI	[L1]	MATH 1180 -or- 1220 -or- 1260 -or- 1320	F (even)
5510	Evolutionary Developmental Biology	3			BIOL 2030	F
<b>5555</b>	<b>Ecol &amp; Evol of Parasites &amp; Pathogens</b>	3	<b>F&amp;F</b>	[L1]	BIOL 2010	S (even)
5700	Molecular Phylogenetics	3		[L1]	MATH 1180 -or- 1220 -or- 1260 - or- 1320	S (odd)
5710	Biology, Society & Public Engagement	3			Does not count towards BIOL 5XXX requirement.	S
5810	Nanoscience (CHEM 5810)	3			CHEM 1220 -or- 1221 -and- PHYS 2220	S
5900	<i>Teaching Experience</i>	2			Instructor Consent. (Does not fulfill majors reqmts, see advisor)	ALL
5910	Mathematical Models in Biology	3	QI		MATH 1180 -or- 1220 -or- 1260 - or- 1320	F (most odd)
5960	Advanced Special Topics in Biology	1-5			Topics vary. Instructor Consent.	

**Courses listed below are taught when faculty are available.**

1970	<i>Topics in Biology (most recently NOLS)</i>	2-4			<i>Not counted toward BIOL Degree.</i>	
2115	Basic Techniques Lab	2		[L2]	Limited to BioURP students. Instructor Consent.	
2330	Plants & Society	3	AS			
2400	Principles of Wildlife Ecol & Conservation	3	AS, CEL			
2421	Principles of Human Physiology	4	Honors		BIOL 1210 -or- AP4+ -and- CHEM 1110 -or- 1210 -or- 1211 -or AP4+	
2870	<i>Faculty Research Seminar</i>	1			<i>Not counted toward BIOL Degree.</i>	
3045	Landscape Ecology of the CO Plateau	3		[L1]		
3115	Computer Applications in Cell Biology	2		[L1]	BIOL 2020 -or- 2021 -and- PHYS 2020 -or 2220 -or 3220	
3215	Cell Biology Lab	2	Half Sem	[L1]	*Co-Req: BIOL 2020 -or- 2021	
3235	Developmental Biology Lab	3		[L2]	*Co-Req; BIOL 3230	
3245	Cellular Neurobiology Lab	2/H	Half Sem	[L1]	*Co-Req; BIOL 3240	
3246	Basic Cellular Neurobiology Lab	2/H	Half Sem	[L1]		
3247	Advanced Cellular Neurobiology Lab	2/H	Half Sem	[L1]	BIOL 3246	
3355	Physiology of Plants Lab	1		[L1]	*Co-Req: BIOL 3350	
3440	Global Change Ecology	3				
<b>3665</b>	<b>Form, Function, &amp; Adaptation in Animals</b>	3	<b>F&amp;F</b>	[L2]		
4876	Journal Club/Seminar	1			Instructor Consent.	
5011	Mathematical Biology I (MATH 5110)	3	QI		MATH 2250 -or- 2280	
5012	Mathematical Biology II (MATH 5120)	3	QI		BIOL 5011 -or- MATH 5110	
5050	Mechanisms of Bacterial Pathogenesis	2	Half Sem		BIOL 2020 -or- 2021	
5110	Molec Biology & Genetic Engineering	3			BIOL 2030	
5318	Human Physiology Colloquium	1			BIOL 2420 -or- 2421	
5325	Tropical Field Biology	5		[L3]	BIOL 2010 -and- Instructor Consent.	
5395	Advanced Field Ornithology	3		[L2]	Recommend BIOL 5385	
5401	<i>Vertebrate Paleontology &amp; Evolution</i>	3				
5470	Stable Isotope Biochemistry & Ecology	3			BIOL 2010 -or- Instructor Consent.	
<b>5665</b>	<b>Computational Paleophysiology</b>	3	<b>F&amp;F/QI</b>	[L1]	Instructor Consent.	
5700	Molecular Phylogenetics	3		[L1]	MATH 1180 -or- 1220 -or- 1260 - or- 1320	
5920	Advanced Eukaryotic Genetics	3			BIOL 2030	