

BIOLOGY COURSE OFFERINGS

[Please be advised that course offerings are subject to change due to unforeseen events.]

New #	L a b	C M B	E E B	Course Title	Fall 2012	Spring 2013	Summer 2013^	Frequency
105				Evolution for everyone [Does not count toward the major]	Staff			Fall
117				Introduction to organismal and population biology	Armstrong	Armstrong	Staff	Fall, Spring and Summer
118				Introduction to cell and molecular biology	Tan-Wilson	Horwath	Staff	Fall, Spring and Summer
224				Basic microbiology [Does not count toward the major]		Marques		Spring
251				Human anatomy and physiology I [Does not count toward the major]	French/Freeh		Staff	Fall and summer
252				Human anatomy and physiology II [Does not count toward the major]			Staff	Summer
301		✓		Molecular Genetics	Staff	Tammariello		Fall and Spring
302		✓		Biochemistry	K. Wilson	Tan-Wilson		Fall and Spring
311		✓		Principles of cell biology	Van Buskirk	Van Buskirk		Fall and Spring
313		✓		Cellular neurobiology	Miles			Fall
314		✓		General microbiology	Davies			Fall
318		✓		Developmental Biology	Tammariello			Once a year
324	✓	✓		Animal histology	Freeh			When possible
326	✓	✓		General microbiology lab 2 cr	Davies/ Marques			Fall
330		✓	✓	Genes and Heredity	H. Fiumera			Fall
331		✓	✓	Animal physiology	Horwath	Horwath		Fall and Spring
334		✓	✓	Biological Networks (3 cr) also BE202				
340	✓	✓	✓	Genetics Laboratory (2 cr)		H. Fiumera		Spring
347	✓	✓	✓	Human anatomy and physiology II		French/ Freeh		Spring
351			✓	Mechanisms of evolution		Parker		Spring

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352			✓	Marine biology	Pueschel			Fall
355			✓	Ecology (lec only)	Titus			Fall
366			✓	Paleobiology, also GEOL [Geol is parent]				
370	✓		✓	Botany, also ENVI	Stein			Fall
371	✓		✓	Zoology		Shepherd/ Miles		Spring
373	✓		✓	Ecology (4 credit with lab)				Summer only
374	✓		✓	Wetlands Ecology 2 cr [formerly named Freshwater Wetland Ecology]	Shepherd			Fall
375	✓		✓	Animal Behavior	Clark			Fall
376	✓		✓	Phycology				When possible
377	✓		✓	Flora/Plant Systematics		Stein		When possible
378	✓		✓	Macroevolution				When possible
379	✓		✓	Biology and Conservation of Birds		Shepherd		Spring
402		✓		Immunology				When possible
405		✓		Vertebrate endocrinology	Horwath			When possible
425	✓	✓		Molecular biology laboratory 2 cr	Chen	Sauer		Fall
426	✓	✓		Biochemistry laboratory 2 cr		K. Wilson		Spring
427	✓	✓		Cell biology laboratory 2 cr		McGee		Spring
428	✓	✓		Genomics and Proteomics	Sauer			Fall
435		✓	✓	Human Genetics		Michael		Spring
437		✓	✓	Biostatistics		Zhu		
441	✓	✓	✓	Molecular Ecology Lab	Parker			Fall
450			✓	Conceptual foundations in ecology, evolution & animal behavior				Spring
452			✓	Cultural evolutionary theory		D Wilson		Spring
453			✓	Socio-biology				
454			✓	Behavioral ecology of primates				When possible
455			✓	Principles of ecosystem ecology	Zhu			Alternate Fall

New #	L a b	C M B	E E B	Course Title	Fall 2012	Spring 2013	Summer 2013^	Frequency
456			✓	Evolution and human behavior, also Psyc, Anthr, Soc				Summer
459			✓	Biogeography (also Geog 422)				
471	✓		✓	Tropical marine biology				When possible
472	✓		✓	Tropical ecology & conservation		Shepherd/ Andurs		Spring
475	✓		✓	Entomology	Shepherd			Fall
476	✓		✓	Population Ecology				When possible
477	✓		✓	Conservation Biology By mistake, number denotes lab, will be changed in next bulletin				When possible
Bch m 480	✓		✓	Biochemistry Seminar [For Biochemistry majors only]	Parker	K Wilson		Fall and Spring
480 A-D		✓		Seminar topics (2 cr) I-Adv Micro Seminar Neurobiology topic	Staff			All Bio 480s carry two credits. EVOS seminar can count only twice for credit EVOS seminar might be moving to its own permanent number
480 E-H	✓	✓						
480 I-L		✓	✓			Davies		
480 I-L		✓	✓			Miles		
480 M-P	✓	✓	✓					
480 Q-T			✓					
480 U-X	✓		✓					
483		✓			Radiobiology	M Fallon		
483		✓	✓	J: Biotechnology and Bioethics	Baust			
480				Behavior & Disease		Clark		
485				Topics in Stem Cell Biology		Baust		
491				Practicum in college teaching				Every semester
494		♣	♣	Internship				Every semester + summer
495	✓	♣	♣	Laboratory or field internship				Every semester + summer

New #	L a b	C M B	E E B	Course Title	Fall 2012	Spring 2013	Summer 2013^	Frequency
496		♣	♣	Independent study				Every semester + summer
497	✓	♣	♣	Independent lab or field research				Every semester + summer
498	✓	♣	♣	Continuing indep lab or field research				Every semester

- ♣ For the BA Biology, Biology 494-498 courses alone or in any combination, can be used for up to 4 credits of Biology electives. Biology 495/497/498 can be used to fulfill only one lab requirement.
For the BS Biology major, it is expected that the work involved will be in the students' concentration.
For the BS Biology with concentration in CMB, Biology 494-498 courses alone or in any combination can be used as CMB electives up to 8 credits. Biology 495, 497 and 498 alone or together can be used to fulfill up to 2 laboratory requirements. For the CMB concentration, these courses cannot be used as a required EEB elective.
For the BS Biology with concentration in EEB, Biology 494-498 courses alone or in any combination can be used as EEB electives up to 8 credits. Biology 495, 497 and 498 alone or together can be used to fulfill up to 2 laboratory requirements. For the EEB concentration, these courses cannot be used as a required CMB elective.
- ^ There will be more summer courses. Usually the Department strives to offer core courses and one or two courses with lab. However, whether the course actually runs or not has to depend upon enrollment.