

BIOLOGICAL SCIENCES DEPARTMENT ANTICIPATED COURSE OFFERING FOR 2009-2010

X = ANTICIPATE COURSE WILL BE OFFERED IN THE 2009-2010 ACADEMIC YEAR. 20xx = NEXT ANTICIPATED OFFERING IS *EITHER* 2009-2010 *OR* 2010-2011 ACADEMIC YEARS DEPENDING ON STATE FUNDING TO THE CSU.

Course	Title	Units	Fall	Winter	Spring	Summer
BIO 100	Orientation Biological Sciences	1	20xx			
BIO 111	General Biology (B2&B4)	4	X	X	X	
BIO 112	Environmental Bio & Conserv. (B5)	4		20xx	20xx	
BIO 113	Animal Diversity & Ecology (B2&B4)	4	X			
BIO 114	Plant Diversity & Ecology (B2&B4)	4		X	X	
BIO 115	Animal/Human Struct. & Funct. (B2&B4)	4		X	X	
BIO 160	Diversity/History of Life	4	X			
BIO 161	Intro to Cell/Molecular Biology (B2&B4)	4	X	X	X	
BIO 162	Intro Organismal Form & Function	5		X	X	
BIO 200	Special Problems for Undergraduates	1-2	20xx	20xx	20xx	
BIO 213	Life Science for Engineers (B2)	2	X	X	X	
BIO 227	Wildlife Conservation Biology (B2)	4	X	X	X	
BIO 232/MATE 232*	Nanotec, Human Biol, Ethics & Soci	4				
BIO 253	Orientation to the Health Professions	1		20xx		
BIO 263	Intro Ecology and Evolution	4	X		X	
BIO 301	Environ. Science & Human Ecology	4				
BIO 302	Human Genetics (B5)	4	X	X	X	
BIO 303	Survey of Genetics	4	20xx	X	X	
BIO 305*	Biology of Cancer (B5) (09-10)	4			20xx	
BIO 307	World Aquaculture (F)	4		X		
BIO 325	General Ecology	4	X	X	X	
BIO 327*	Wildlife Biol. Methods (09-10)	5		20xx		
BIO 328	Marine Biology	5		X		
BIO 330	Extended Field Activity	1	X		X	
BIO 351	Principles of Genetics	5	X	X	X	
BIO 361	Principles of Physiology	4	X	X	X	
BIO 375/CHEM 375	Molecular Biology Laboratory	3	X	X	X	
BIO 400	Special Problems	1-2	20xx	20xx	20xx	
BIO 401	Conservation Biology	4		X		
BIO 405	Developmental Biology	5			20xx	
BIO 414	Evolution	4		X	X	
BIO 415	Biogeography	4	X			
BIO 419*	Ecological Methodology	4	20xx			
BIO/PSC 424	Organizing & Teaching Bio Sciences	4	PSC	20xx		
BIO 426	Immunology	4		X	X	
BIO 427	Wildlife Management	4			X	
BIO 432	Vertebrate/Human Anat/Phys I	5	X	X		
BIO 433	Vertebrate/Human Anat/Phys II	5		X	X	
BIO 434	Environmental Physiology***	4				
BIO 435	Plant Physiology	4	X	X		
BIO 438*	Aquaculture	4			20xx	
BIO 439	Fisheries Science and Resource Management	4	20xx			
BIO 441/CHEM 441*	Bioinformatics Applications	4				
BIO 443*	Molecular Ecology and Systematics	4				
BIO 444*	Population Ecology	3			X	
BIO 450	Undergraduate Lab Assistantship	1-4	X	X		
BIO 452	Cell Biology	4	X	X	X	
BIO 461	Senior Project – Research Proposal	2	X	X	X	
BIO 462	Senior Project - Research	2	X	X	X	
BIO 463	Honors Research	2	X	X	X	
BIO 470*	Selected Adv Topics in Biology	1-4			X	
BIO 471	Selected Adv Laboratory	1-4				
BIO 472	Current Topics in Biol. Research	1-4	20xx		20xx	
BIO 476/CHEM 476	Gene Expression Laboratory	2			20xx	
BIO 485	Cooperative Education Experience	6	X	X	X	
BIO 495	Cooperative Education Experience	12	X	X	X	

Course	Title	Units	Fall	Winter	Spring	Summer
BIO 500	Individual Study	1-3	X	X	X	
BIO 501	Molecular & Cellular Biology	4	X			
BIO 502	Biology of Organisms	4		X		
BIO 503	Population Biology	4			X	
BIO 511	Trends in Biology	1	20xx			
BIO 524	Develop. Bio. Seminar	2				
BIO 531	Theory and Prediction in Ecology	3				
BIO 561	Proposal Writing For Biology Research	3			X	
BIO 570	Adv. Topics in Biology	1-4	X		X	
BIO 575	College Teaching Practicum	1-2		20xx		
BIO 585	Cooperative Education Experience	6	X	X	X	
BIO 590	Graduate Seminar in Biology	1	X			
BIO 595	Cooperative Education Experience	12	X	X	X	
BIO 599	Thesis	3	X	X	X	
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BOT 121	General Botany (B2&B4)	4	X	X	X	
BOT 221/LA 221	California Plants & Plant Commun.	4				
BOT 238	Central Coast Flora and Vegetation	3				
BOT 311	Plants, People & Civilization (B5)	4				
BOT 313	Taxonomy of Vascular Plants	4		X		
BOT 323	Plant Pathology	4	X	X	X	
BOT 324*	Ornamental & Forest Pathology	4				
BOT 326	Plant Ecology	4	X		X	
BOT 329/HCS 329	Plants, Food & Biotechnology (F)	4				
BOT 431*	Advanced Plant Pathology	4				
BOT 433	Field Botany	4			X	
BOT 437*	Phycology (09-10)	4			20xx	
BOT 450/HCS 450*	Plant Biotechnology Lab	2				
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MCRO 221	Microbiology (B2&B4)	4	X	X	X	
MCRO 224	General Microbiology I (B2&B4)	5	X	X		
MCRO 225	General Microbiology II	5			X	
MCRO 320	Emerging Infectious Diseases	3		X		
MCRO 342*	Sanitary Microbiology	4			20xx	
MCRO 402	General Virology	4			X	
MCRO 421	Food Microbiology	4	X		X	
MCRO 423	Medical Microbiology	5		X		
MCRO 424	Microbial Physiology	5	X			
MCRO 433*	Microbial Biotechnology	3	X			
MCRO 436*	Environ. Microbiology	4		X		
MCRO 461	Senior Project – Res. Proposal	2	X			
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SCM 201	Orientation to Biotechnology	1			X	
SCM 302	Learn-by-doing Lab	3		X	X	
SCM 330*	Ocean Discovery (F) (09-10)	4			20xx	
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ZOO 321	Mammalogy	4	X			
ZOO 322	Ichthyology	4	X			
ZOO 323*	Ornithology	4			X	
ZOO 329*	Vertebrate Field Zoology	4				
ZOO 331	Human Anatomy & Physiology I	5	X	X	X	
ZOO 332	Human Anatomy & Physiology II	5	X	X	X	
ZOO 335	General Entomology	4			20xx	
ZOO 336	Invertebrate Zoology	4				
ZOO 341*	Herpetology	4			X	
ZOO 422	Functional Histology	4	20xx			
ZOO 425	Parasitology 09-10	4	20xx			
ZOO 428	Hematology	4	20xx			
ZOO 436	Compara. Invertebrate Physiology	4				
ZOO 437	Animal Behavior	4	X			
ZOO 530*	Behavioral Ecology 09-10	3	X			
ZOO 537	Behavioral Ecology Seminar	2		X		
UNIV 330	Poly Lands (GE –F)	4			X	

20xx Most of these courses are not required by any degree – they are free electives.