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COURSE	TITLE (GE Requirement)	UNITS	SUMMER	FALL	WINTER	SPRING
BIO 111	General Biology (B2&B4)	4	X	X	X	X
BIO 112	Env. Bio & Conserv. (B5)	4		X		X
BIO 114	Plant Diversity & Ecology (B2&B4)	4			X	X
BIO 123	Biology of Sex (B2)	4			X	
BIO 160	Diversity and History of Life	4		X	X	
BIO 161	Intro to Cell and Molecular Biology (B2&B4)	4	X	X	X	X
BIO 162	Intro to Organismal Form & Function	4			X	X
BIO 200	Special Problems for Undergraduates	1 to 2	X	X	X	X
BIO/CHEM 202	Orientation to Biotechnology	2				X
BIO 211	Biology of Plants and Animals	4			X	X
BIO 213	Life Science for Engineers (B2)	2		X	X	X
BIO 227	Wildlife Conservation Biology (B2)	4		X	X	X
BIO 231	Human Anatomy & Physiology I	5	X	X	X	X
BIO 232	Human Anatomy & Physiology II	5	X	X	X	X
BIO 253	Health Professions Shadowing	1		X	X	
BIO 263	Introductory Ecology and Evolution	4		X		X
BIO 270	Selected Topics	1 to 4	No planned offerings			
BIO 302	Human Genetics (B5)	4	X	X	X	X
BIO 303	Survey of Genetics	4		X	X	X
BIO 305	Biology of Cancer (B5)	4				TBD
BIO/CHEM 308	Genetic Engineering Technology (F)	4		X	X	
BIO 321*	Mammalogy *was ZOO 321	4		X	X	
BIO 322*	Ichthyology *was ZOO 322	4		X		
BIO 323*	Ornithology *was ZOO 323	4				X
BIO 324*	Herpetology *was ZOO 341	4				X
BIO 327	Wildlife Ecology	4				X
BIO 329*	Vertebrate Field Zoology *was ZOO 329	4	X			
BIO 330	Extended Field Biology Activity	1 to 3			X	
BIO 335*	General Entomology *was ZOO 335	4			X	
BIO 336*	Invertebrate Zoology *was ZOO 336	4			X	
BIO 351	Principles of Genetics	5	X	X	X	X
BIO 361	Principles of Animal Physiology	4		X	X	X
BIO 400	Special Problems for Advanced Undergraduates	1 to 2	X	X	X	X
BIO 401	Principles of Conservation Biology	4		X	X	X
BIO 405	Developmental Biology	4				X
BIO 406	Advanced Anatomy & Physiology: Neuroscience	4		X		X
BIO 407	Adv. Anatomy & Physiology: Endocrinology	4	X	X		X
BIO 408	Adv. Anat. & Phys.: Cardiorespiratory & Renal	4		X	X	
BIO 409	Adv. Anat. & Phys.: Muscle & Locomotion	4			X	X
BIO 410	Functional Histology	4				X

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BIO 414	Evolution	4		X	X	X
BIO 415	Biogeography	4		X		
BIO 419	Analytical Methods in Ecology	4	No planned offerings			
BIO/NR/SS 421	Wetlands	4	GO TO NR/SS 421			
BIO/PSC 424	Organizing and Teaching Science	4		X		
BIO/PSC 425	Clinical Experience in Teaching Science Seminar	2			X	X
BIO 426	Immunology	4			X	X
BIO 427	Wildlife Management	4			X	
BIO 428*	Hematology *was BIO 428	4	X			X
BIO 429*	Parasitology *was BIO 429	4		X		
BIO 434	Environmental Physiology	4		X		
BIO 435	Plant Physiology	4			X	
BIO/CHEM 441	Bioinformatics Applications	4		X		X
BIO 442	Behavioral Ecology	4			X	
BIO 444	Population Ecology	3			X	
BIO 445	Community Ecology	4		X		
BIO 446	Ecosystem Ecology	4				X
BIO 450	Undergraduate Lab Assistantship	1 to 4		X	X	X
BIO 452	Cell Biology	4		X	X	X
BIO 461	Senior Project – Research Proposal	2	X	X	X	X
BIO 462	Senior Project - Research	2	X	X	X	X
BIO 463	Honors Research	2		X	X	X
BIO 470	Selected Adv Topics	1 to 4	X		X	
BIO 471	Selected Adv Laboratory	1 to 4	X			
BIO 472	Current Topics in Biological Research	1 to 4				X
BIO/CHEM 475	Molecular Biology Laboratory	3		X	X	X
BIO/CHEM 476	Gene Expression Laboratory	3				X
BIO 485	Cooperative Education Experience	6		X	X	X
BIO 495	Cooperative Education Experience	12		X	X	X
BIO 500	Individual Study	1 to 4		X	X	X
BIO 501	Molecular & Cellular Biology	4		X		
BIO 502	Biology of Organisms	4			X	
BIO 503	Population Biology	4				X
BIO 509	Communicating Biology to General Audiences	1				X
BIO 524	Developmental Biology Seminar	2	No planned offerings			
BIO 534	Principles of Stem Cell Biology	2		X		
BIO 537	Advanced Behavioral Ecology Seminar	1				X
BIO 561	Proposal Writing for Biological Research	3			X	
BIO 570	Selected Topics in Biology	1 to 4		X	X	
BIO 574	Teaching Strategies for College Biology Labs	1		X		

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BIO 575	College Biology Teaching Practicum	1 to 2		X	X	X
BIO 585	Cooperative Education Experience	6		X	X	X
BIO 590	Seminar in Biology	1		X	X	X
BIO 591	Trends in Biology	1		X	X	X
BIO 593	Regenerative Medicine Internship	3 to 5		X	X	X
BIO 594	Applications in Regenerative Medicine	2				X
BIO 595	Cooperative Education Experience	12		X	X	X
BIO 599	Thesis	1 to 3		X	X	X
BOT 121	General Botany (B2&B4)	4		X	X	X
BOT 311	Plants, People & Civilization (B5)	4	No planned offerings			
BOT 313	Taxonomy of Vascular Plants	4			X	
BOT/AEPS 323	Plant Pathology	4	GO TO AEPS 323			
BOT 326	Plant Ecology	4			X	X
BOT/AEPS 329	Plants, Food & Biotechnology (F)	4	No planned offerings			
BOT 433	Field Botany: California Plant Diversity	5				X
MCRO 100	Introduction to Microbiology Research	2			X	X
MCRO 221	Microbiology (B2&B4)	4	X	X	X	X
MCRO 224	General Microbiology I (B2&B4)	5		X	X	X
MCRO 225	General Microbiology II	5				X
MCRO/WVIT 301	Wine Microbiology	4				X
MCRO 320	Emerging Infectious Diseases	3	X	X	X	
MCRO 342	Public Health Microbiology	4			X	
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	Microbial Ecology	4				TBD
MSCI 100	Intro to Marine Sciences	1		X		
MSCI 301	Biological Oceanography	3		X		
MSCI 303	Ocean Sampling Techniques	3		X		
MSCI 307	World Aquaculture (F)	4	No planned offerings			
MSCI 324	Marine Mammals, Birds and Reptiles	4			X	
MSCI 328	Marine Ecology	4			X	X
MSCI 330	Technologies for Ocean Discovery	4				X
MSCI 401	Marine Sciences Outreach Experience	1 to 2		X	X	X
MSCI 410	Scientific Diving	3	X			
MSCI 428	Marine Conservation and Policy	4			X	
MSCI 437	Marine Botany	4		X		
MSCI 438	Aquaculture	4	No planned offerings			

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MSCI 439	Fisheries Science & Resource Management	4				X
MSCI 440	Communicating Ocean Sciences to Informal Aud.	3		X		
SCM 302	The Learn By Doing Lab Teaching Practicum	2			X	X
ZOO 321*	Mammalogy *now BIO 321	4	GO TO BIO 321			
ZOO 322*	Ichthyology *now BIO 322	4	GO TO BIO 322			
ZOO 323*	Ornithology *now BIO 323	4	GO TO BIO 323			
ZOO 329*	Vertebrate Field Zoology *now BIO 329	4	GO TO BIO 329			
ZOO 335*	General Entomology *now BIO 335	4	GO TO BIO 335			
ZOO 336*	Invertebrate Zoology *now BIO 336	4	GO TO BIO 336			
ZOO 341*	Herpetology *now BIO 324	4	GO TO BIO 324			
ZOO 425*	Parasitology *now BIO 429	4	GO TO BIO 429			
ZOO 428*	Hematology *now BIO 428	4	GO TO BIO 428			