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COURSE	TITLE (GE Requirement)	UNITS	SUMMER*	FALL	WINTER	SPRING
BIO 111	General Biology (B2&B3)	4	✓	✓	✓	✓
BIO 112	Environmental Biology & Conservation	4	Replaced with BIO 222			
BIO 114	Plant Diversity & Ecology (B2&B3)	4			✓	✓
BIO 123	Biology of Sex (B2)	4	✓		✓	✓
BIO 150	Diversity and History of Life	4		✓	✓	
BIO 161	Intro to Cell and Molecular Biology (B2&B3)	4		✓	✓	✓
BIO 162	Intro to Organismal Form & Function	4			✓	✓
BIO 200	Special Problems for Undergraduates	1 to 2	✓	✓	✓	✓
BIO/CHEM 202	Orientation to Biotechnology	2			✓	
BIO 211	Biology of Plants and Animals	4			✓	✓
BIO 213	Life Science for Engineers (B2)	2		✓	✓	✓
BIO 222	Biodiversity of California (B2)	4		✓	✓	✓
BIO 227	Wildlife Conservation Biology (B2)	4	✓	✓	✓	✓
BIO 231	Human Anatomy & Physiology I	5	✓	✓	✓	✓
BIO 232	Human Anatomy & Physiology II	5		✓	✓	✓
BIO 253	Health Professions Shadowing	1		✓		
BIO 263	Introductory Ecology and Evolution	4		✓		✓
BIO 270	Selected Topics	1 to 4	No planned offerings			
BIO 300	Research Experience for Undergraduates	1 to 2	✓	✓	✓	✓
BIO 301	Service Learning in the Health Professions	3	No planned offerings			
BIO 302	Human Genetics (Upper-Div GE Area B)	4		✓	✓	✓
BIO 303	Survey of Genetics	4		✓	✓	✓
BIO 305	Biology of Cancer (Upper-Div GE Area B)	4		✓	✓	
BIO/CHEM 308	Genetic Engineering Technology (Upper-Div B)	4		✓		
BIO 321	Mammalogy (was ZOO 321)	4		✓	✓	
BIO 322	Ichthyology (was ZOO 322)	4				✓
BIO 323	Ornithology (was ZOO 323)	4				✓
BIO 324	Herpetology (was ZOO 341)	4				✓
BIO 327	Wildlife Ecology	4	No planned offerings			
BIO 329	Vertebrate Field Zoology (was ZOO 329)	4	No planned offerings			
BIO 330	Extended Field Biology Activity	1 to 3	No planned offerings			
BIO 335	General Entomology (was ZOO 335)	4			✓	
BIO 336	Invertebrate Zoology (was ZOO 336)	4			✓	
BIO 351	Principles of Genetics	5	✓	✓	✓	✓
BIO 361	Principles of Animal Physiology	4		✓	✓	✓
BIO 363	Principles of Conservation Biology (was BIO 401)	4		✓	✓	✓
BIO 400	Special Problems for Advanced Undergraduates	1 to 2	✓	✓	✓	✓
BIO 405	Developmental Biology	4				✓
BIO 406	Advanced Anatomy & Physiology: Neuroscience	4			✓	
BIO 407	Adv. Anatomy & Physiology: Endocrinology	4	✓	✓		✓
BIO 408	Adv. Anat. & Phys.: Cardiorespiratory & Renal	4		✓	✓	

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BIO 409	Adv. Anat. & Phys.: Muscle & Locomotion	4			✓	
BIO 410	Functional Histology	4				✓
BIO 412	Gastrointestinal Physiology and Microbiology	4				✓
BIO 413	Evolutionary Medicine	4				✓
BIO 414	Evolution	4	✓	✓	✓	✓
BIO 415	Biogeography	4			✓	
BIO 416	Climate Change Biology					✓
BIO/NR/SS 421	Wetlands	4	GO TO NR/SS 421			
BIO/PSC 424	Organizing and Teaching Science	4	GO TO PSC 424			
BIO/PSC 425	Clinical Experience in Teaching Science Seminar	2	GO TO PSC 425			
BIO 426	Immunology	4			✓	✓
BIO 427	Wildlife Management	4				✓
BIO 428	Hematology (was ZOO 428)	4		✓		
BIO 429	Parasitology (was ZOO 429)	4		✓		
BIO 434	Environmental Physiology	4		✓		✓
BIO 435	Plant Physiology	4				✓
BIO/CHEM 441	Bioinformatics Applications	4		✓		
BIO 442	Behavioral Ecology	4			✓	
BIO 444	Population Ecology	3	No planned offerings			
BIO 445	Community Ecology	4			✓	
BIO 446	Ecosystem Ecology	4				✓
BIO 447	Spatial Ecology	4		✓		
BIO 448	Geocology					✓
BIO 450	Undergraduate Lab Assistantship	1 to 4		✓	✓	✓
BIO 452	Cell Biology	4		✓	✓	✓
BIO 461	Senior Project – Research Proposal	2	✓	✓	✓	✓
BIO 462	Senior Project - Research	2	✓	✓	✓	✓
BIO 463	Honors Research	2	✓	✓	✓	✓
BIO 470	Selected Adv Topics	1 to 4				✓
BIO 471	Selected Adv Laboratory	1 to 4				✓
BIO 472	Current Topics in Biological Research	1 to 4				✓
BIO/CHEM 475	Molecular Biology Laboratory	3		✓	✓	✓
BIO/CHEM 476	Gene Expression Laboratory	3				✓
BIO 485	Cooperative Education Experience	6		✓	✓	✓
BIO 495	Cooperative Education Experience	12		✓	✓	✓
BIO 500	Individual Study	1 to 4	✓	✓	✓	✓
BIO 501	Molecular & Cellular Biology	4		✓		
BIO 502	Biology of Organisms	4			✓	
BIO 503	Population Biology	4		✓		
BIO 509	Communicating Biology to General Audiences	1			✓	
BIO 524	Developmental Biology Seminar	2	No planned offerings			
BIO 534	Principles of Stem Cell Biology	2		✓		
BIO 537	Advanced Behavioral Ecology Seminar	1				✓

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BIO 560	Graduate Student Professional Development	2		✓		
BIO 561	Proposal Writing for Biological Research	3				✓
BIO 562	Data Management and Visualization in Biology	3	No planned offerings			
BIO 570	Selected Topics in Biology	1 to 4	No planned offerings			
BIO 571	Selected Advanced Laboratory	1 to 4	No planned offerings			
BIO 574	Teaching Strategies for College Biology Labs	1		✓		
BIO 575	College Biology Teaching Practicum	1 to 2		✓	✓	✓
BIO/ASCI/BMED 583	Research Experience for Regenerative Medicine Students (was BIO 594)	2				✓
BIO 585	Cooperative Education Experience	6		✓	✓	✓
BIO 590	Seminar in Biology	1 to 2		✓	✓	✓
BIO 591	Trends in Biology	1		✓	✓	✓
BIO 593	Regenerative Medicine Internship	3 to 5		✓	✓	✓
BIO 595	Cooperative Education Experience	12		✓	✓	✓
BIO 599	Thesis	1 to 3	✓	✓	✓	✓
BOT 121	General Botany (B2&B3)	4		✓	✓	✓
BOT 311	Plants, People & Civilization (Upper-Div B)	4		✓		
BOT 313	Taxonomy of Vascular Plants	4			✓	
BOT/AEPS 323	Plant Pathology	4	GO TO PLSC 323			
BOT 326	Plant Ecology	4	No planned offerings			
BOT 433	Field Botany: California Plant Diversity	5				✓
MCRO 100	Introduction to Microbiology Research	2			✓	
MCRO 221	Microbiology (B2&B3)	4	✓	✓	✓	✓
MCRO 224	General Microbiology I (B2&B3)	5		✓	✓	✓
MCRO 225	General Microbiology II	5				✓
MCRO/WVIT 301	Wine Microbiology	4				✓
MCRO 320	Emerging Infectious Diseases	3	✓	✓	✓	✓
MCRO 342	Public Health Microbiology	4			✓	
MCRO 402	General Virology	4			✓	
MCRO 421	Food Microbiology	4		✓		✓
MCRO 423	Medical Microbiology	5		✓		
MCRO 424	Microbial Physiology	5			✓	
MCRO 433	Microbial Biotechnology	3		✓		
MCRO 436	Microbial Ecology	4	No planned offerings			
MSCI 100	Intro to Marine Sciences	1		✓		
MSCI 111	Survey of Marine Biology (B2)	4	✓		✓	
MSCI 300	Marine Ecology (was MSCI 328)	4		✓	✓	✓
MSCI 301	Biological Oceanography	3		✓		
MSCI 324	Marine Mammals, Birds and Reptiles	4			✓	
MSCI 330	Technologies for Ocean Discovery	4	No planned offerings			
MSCI 401	Marine Sciences Outreach Experience	1 to 2		✓	✓	✓
MSCI 403	Ocean Sampling Techniques	3		✓		
MSCI 410	Scientific Diving	3	✓			
MSCI 428	Marine Conservation and Policy	4			✓	

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MSCI 437	Marine Botany	4		✓		
MSCI 438	Aquaculture	4		✓		
MSCI 439	Fisheries Science & Resource Management	4				✓
MSCI 440	Communicating Ocean Sciences to Informal Aud.	3		✓		
SCM 302	The Learn By Doing Lab Teaching Practicum	2				✓