

Semester				2024-25			2025-26			2026-27			2027-28			2028-29			
Subject	Number	GE Attribute	Units	Title	Fall 2024	Spring 2025	Summer 2025	Fall 2025	Spring 2026	Summer 2026	Fall 2026	Spring 2027	Summer 2027	Fall 2027	Spring 2028	Summer 2028	Fall 2028	Spring 2029	Summer 2029
BIO	1020	B2	3	Plagues, Pandemics and Bioterrorism	X			X			X			X			X		
BIO	1040	B2	3	What is evolution?	X			X			X			X			X		
BIO	1060	B2	3	Human Biology	X	X		X	X		X	X		X	X		X	X	
BIO	1110	B2	2	Life Science	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	1110L	B3	1	Life Science Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	1150	B2	3	Basic Biology	X	X		X	X		X	X		X	X		X	X	
BIO	1150L	B3	1	Basic Biology Laboratory	X	X		X	X		X	X		X	X		X	X	
BIO	1210	B2	3	Foundations of Biology: Energy, Matter, and Information	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	1210L	B3	1	Foundations of Biology: Energy, Matter, and Information Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	1220		3	Foundations of Biology: Evolution, Ecology, and Biodiversity	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	1220L		1	Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2020		3	Medical Terminology	X	X		X	X		X	X		X	X		X	X	
BIO	2050		3	Form and Function In Plants		X			X			X			X			X	
BIO	2050L		1	Form and Function in Plants Laboratory		X			X			X			X			X	
BIO	2060		3	Basic Microbiology	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2060L		1	Basic Microbiology Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2070		3	Animal Biology		X			X			X			X			X	
BIO	2070L		1	Animal Biology Laboratory		X			X			X			X			X	
BIO	2110L		1	Biostatistics Laboratory	X	X		X	X		X	X		X	X		X	X	
BIO	2120		2	Life Science for Elementary Educators		X		X	X		X	X		X	X		X	X	
BIO	2120L		1	Life Science for Elementary Educators Lab		X		X	X		X	X		X	X		X	X	
BIO	2200		1	Biotechnology		X			X			X			X			X	
BIO	2200L			Biotechnology Laboratory		X			X			X			X			X	
BIO	2340		3	Human Anatomy	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2340L		1	Human Anatomy Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2350		3	Human Physiology	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2350L		1	Human Physiology Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	2370		3	Introduction to Invertebrate Zoology	X			X			X			X			X		
BIO	2370L		1	Introduction to Invertebrate Zoology Laboratory	X			X			X			X			X		
BIO	2380		3	Introduction to Vertebrate Zoology	X			X			X			X			X		
BIO	2380L		1	Introduction to Vertebrate Zoology Laboratory	X			X			X			X			X		
BIO	2400		3	Genetics	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	3000	B5	3	Genetics and Human Issues	X	X		X	X		X	X		X	X		X	X	
BIO	3010	B5	3	Human Sexuality	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	3030	B5	3	Sexually Transmitted Diseases and Safer Sex	Contact Instructor				X			X			X			X	
BIO	3040	B5	3	Environment and Society	X	X		X	X		X	X		X	X		X	X	
BIO	3070	B5	3	Biology of Human Pregnancy															
BIO	3090	B5	3	Biology of the Brain	X			X			X			X			X		
BIO	3120	B5	3	Biodiversity Conservation	X			X			X			X			X		
BIO	3130	B5	3	Marine Biology	X	X		X	X		X	X		X	X		X	X	
BIO	3220		3	Cell and Molecular Biology	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	3240		3	Principles of Evolution	X	X		X	X		X	X		X	X		X	X	
BIO	3250		3	Principles of Ecology	X	X		X	X		X	X		X	X		X	X	
BIO	3250L		1	Ecology Laboratory		X			X			X			X			X	
BIO	3280		3	Biology of Aging	X			X			X			X			X		
BIO	3500		1	California Flora		X			X			X			X			X	
BIO	3500L		1	California Flora Laboratory		X			X			X			X			X	
BIO	3600		3	General Epidemiology				X			X			X			X		
BIO	3620		2	Applied Microbiology	Contact Instructor														
BIO	3620L		1	Applied Microbiology Lab	Contact Instructor														
BIO	3640		2	Food Microbiology	X			X			X			X			X		
BIO	3640L		1	Food Microbiology Laboratory	X			X			X			X			X		
BIO	4020		3	Developmental Biology	X			X			X			X			X		
BIO	4030		3	Human Genetics	Contact Instructor														
BIO	4040		3	Advanced Genetics	Contact Instructor														
BIO	4060		3	Regulatory Affairs and Safety Assessment		X			X			X			X			X	
BIO (crosslisted)	4100			Biophysics (Please consult Physics Dept. for updated schedule)		X			X			X			X			X	
BIO	4140		2	Biology of Species Invasions	X			X			X			X			X		
BIO	4180		3	Marine Ecology	X			X			X			X			X		
BIO	4180L		1	Marine Ecology Lab	X			X			X			X			X		
BIO	4240		3	Neuromuscular Physiology	Contact Instructor														
BIO	4260		3	Neuroscience	X			X			X			X			X		
BIO	4300		3	Concepts of Molecular Biology	X			X			X			X			X		
BIO	4320		3	Molecular Biology Techniques		X			X			X			X			X	
BIO	4320L		1	Molecular Biology Techniques Laboratory		X			X			X			X			X	
BIO	4360		3	Recombinant DNA and Protein Technology	X			X			X			X			X		
BIO	4360L		1	Recombinant DNA and Protein Technology Laboratory	X			X			X			X			X		
BIO	4380		2	Bioinformatics		X			X			X			X			X	
BIO	4380L		2	Bioinformatics Laboratory		X			X			X			X			X	
BIO	4400		3	Stem Cell Biology		X			X			X			X			X	
BIO	4400L		1	Stem Cell Biology Laboratory		X			X			X			X			X	
BIO	4410		1-2	Internship in Biology	X	X		X	X		X	X		X	X		X	X	
BIO	4430		2	Tissue Culture and Its Applications		X			X			X			X			X	
BIO	4430L		1	Tissue Culture and Its Applications Laboratory		X			X			X			X			X	
BIO	4450		3	Physiology I: Cells	X			X			X			X			X		
BIO	4450L		1	Physiology I: Cells Laboratory	X			X			X			X			X		
BIO	4460		3	Physiology II: Systems		X			X			X			X			X	
BIO	4490		2	Marine Botany					X						X				
BIO	4490L		2	Marine Botany Lab					X						X				
BIO	4520		3	Evolution of Plants	Contact Instructor														
BIO	4520L		1	Evolution of Plants Laboratory	Contact Instructor														
BIO	4530		2	Plant Anatomy	Contact Instructor														
BIO	4530L		2	Plant Anatomy Laboratory	Contact Instructor														
BIO	4540		3	Plant Genetics	X			X			X			X			X		
BIO	4550		1-3	Field Biology		Hawaii Coral Reef			Panama Coral Reef			TBD		Marine Biodiv.	TBD		TBD	TBD	
BIO	4550L		1-3	Field Biology Laboratory		Hawaii Coral Reef			Panama Coral Reef			TBD		Marine Biodiv.	TBD		TBD	TBD	
BIO	4570		2	Plants and the Environment		X						X						X	
BIO	4570L		2	Plants and the Environment Laboratory		X						X						X	
BIO	4580		2	Ecology and Conservation of Hawaiian Ecosystems	Contact Instructor														
BIO	4580L		2	Ecology and Conservation of Hawaiian Ecosystems Laboratory	Contact Instructor														
BIO	4585		3	Ecotoxicology	X			X			X			X			X		
BIO	4635		3	Medical Microbiology	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	4635L		1	Medical Microbiology Laboratory	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually	X	X	Usually
BIO	4650		3	Immunology	X	X		X	X		X	X		X	X		X	X	
BIO	4650L		1	Immunology Lab	X	X		X	X		X	X		X	X		X	X	

BIO	4660		3	Microbial Physiology			X				X				X			X	
BIO	4660L		1	Microbial Physiology Laboratory			X				X				X			X	
BIO	4670		3	General Virology		X	X			X	X			X	X			X	X
BIO	4670L		1	General Virology Laboratory		X	X			X	X			X	X			X	X
BIO	4680		3	Microbial Ecology	Contact Instructor														
BIO	4680L		1	Microbial Ecology Laboratory	Contact Instructor														
BIO	4700		3	Hematology			X	Usually			X	Usually			X	Usually		X	Usually
BIO	4700L		1	Hematology Lab			X				X				X			X	
BIO	4800		2	Entomology			X				X				X			X	
BIO	4800L		2	Entomology Laboratory			X				X				X			X	
BIO	4810		2	Histology	Contact Instructor														
BIO	4810L		2	Histology Lab	Contact Instructor														
BIO	4820		2	Biology of Fishes					X						X				
BIO	4820L		2	Biology of Fishes Laboratory					X						X				
BIO	4830		2	Ornithology			X				X				X			X	
BIO	4830L		2	Ornithology Laboratory			X				X				X			X	
BIO	4840		2	Herpetology			X				X				X			X	
BIO	4840L		2	Herpetology Laboratory			X				X				X			X	
BIO	4850		3	Mammalogy	X						X							X	
BIO	4850L		1	Mammalogy Laboratory	X						X							X	
BIO	4910AS		2	Interpretation of Science Activity – Service Learning		X	X		X		X	X			X	X		X	X
BIO	4910S		1	Interpretation of Science – Service Learning		X	X		X		X	X			X	X		X	X
BIO	5100		3	Statistics for Biologists using R			X				X				X			X	
BIO	5100L		1	Statistics for Biologists using R Laboratory			X				X				X			X	
BIO	5111		2	Communicating Biology		X			X						X			X	
BIO	5150L		1-3	Advanced R Programming and Statistics Topics (1-3 units)	Contact Instructor						X							X	
BIO	5280		3	Community Ecology	Contact Instructor														
BIO	5350		3	Advanced Cell Biology		X			X						X			X	
BIO	5360		3	Host-Pathogen Interactions		X	X				X							X	
BIO	5370		3	Advanced Virology		X					X							X	
BIO	5400		3	Biogeography		X					X				X			X	
BIO	5500		3*	Bio Effects of Climate Change	Contact Instructor														
BIO	5750		3	Molecular Basis for Cancer		X													
BIO	5760		3	Regulatory Affairs for the Biotech Industry		X													
BIO	5800L		1	Research and Teaching Professional Development		X			X						X			X	
BIO	5870		3	Advanced Muscle Biology and Disease	Contact Instructor														
BIO	6800		1-2	Seminar in Biology (1-2 units)		X	X		X		X	X			X	X		X	X