

CAS Curriculum Program Learning Outcomes Matrix

Program: Biology

Date Completed:

Program Learning Outcomes (PLO)	BIOL 195	BIOL 141	BIOL 141L	BIOL 142	BIOL 142L	BIOL 241	BIOL 241L
	Tropical Biology	General Biology I	General Biology I Lab	General Biology II	General Biology II Lab	Comparative Vertebrate Anatomy	Comparative Anatomy Lab
PLO #1: Demonstrate mastery of content across the broad field of modern biology	A, E field notes	A, B	A, B, C	A	A, B, C	A	A
PLO #2: Critically evaluate biological data			B, C, E homework exercises	A, E homework exercises	B, C, E homework exercises		
PLO #3: Demonstrate mastery of the scientific method			A, B, C, E homework exercises	A	A, B, C, E homework exercises		
PLO #4: Effectively communicate biological information in writing		B	B, C	B	B, C		
PLO #5: Effectively communicate biological information orally		C	C	C	C		

Method Key:



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BIOL 195	BIOL 245	BIOL 245L	BIOL 250	BIOL 250L	BIOL 255	BIOL 260	BIOL 272	BIOL 272L	BIOL 273	BIOL 274	BIOL 295	BIOL 342
Tropical Biology	General Physiology	General Physiology Lab	Microbiology	Microbiology Lab	Animal Nutrition and Metabolism	Genetics	Invertebrate Biology	Invertebrate Biology Lab	Marine Ecology	Conservation Biology	Philippines Organisms and Ecosystems	Comparative Biomechanics
A, E field notes	A	A	A	A	A	A	A, B	A, E projects	A	A	A, E field notebook	A
	A, E critical thinking questions	A, B, E critical thinking questions	A	E projects	C	A	A, B	B, E projects	A, B	A		B, E projects
		B						E projects				E projects
		B		B	C		B	B	B	B	B, E field notebook	B, E projects
					C			C	C			C

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BIOL 195	BIOL 344	BIOL 346	BIOL 348	BIOL 349	BIOL 349L	BIOL 350	BIOL 350L	BIOL 351	BIOL 351L	BIOL 352	BIOL 352L	BIOL 358
Tropical Biology	Immunology	Endocrinology and Reproduction	Functional Neuroanatomy	Plant Physiology	Plant Physiology Lab	Cellular Biology	Cellular Biology Lab	Developmental Biology	Developmental Biology Lab	Histology	Histology Lab	Cellular and Molecular Neurobiology
A, E field notes	A	A, C	A	A	A	A		A	B	A	A	A
		C	A	A, E critical thinking questions	B, E critical evaluation of literature		B, E projects		B, E projects	A	A	B, C
		C					B, E projects		B, E projects	A	A	
							B, E projects		B, E projects			B
		C							C			C

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BIOL 195	BIOL 379	BIOL 393	BIOL 395	BIOL 444	BIOL 446	BIOL 453	BIOL 454	BIOL 473	BIOL 473L
Tropical Biology	Biostatistics	Undergraduate Research	Extreme Physiology	Sensory Biology	Cardiovascular Physiology	Skeletal Biology	Pathophysiology	Estuarine Ecology	Estuarine Ecology Lab
A, E field notes	A	B, E projects	A, C	A, C	A, C		A	A	A
	A	B, E projects	C		A, C		A, E critical thinking case studies	A, E critical evaluation of literature	B, E critical evaluation of literature
		B, E projects	C					E critical evaluation of literature	
		B, E projects					A, E critical thinking case studies		
		B, E projects	C	C	C				

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Program Learning Outcomes (PLO)	BIOL 195	BIOL 141	BIOL 141L	BIOL 142	BIOL 142L	BIOL 241	BIOL 241L
A=Quizzes/Exams							
B=Papers							
C=Presentations							
D=Portfolios							
E=Other Please Define							