

BIOLOGY CURRICULUM MAP

A = Required course (major), B = Program Elective

Level of instruction: I = Introduced, R = Reinforced and opportunity to practice, M = Mastery at the senior or exit level

Assessment: E = exam, P = paper, O = oral presentation, N = internship, IR = independent research, D = Discussion, A = Practical exam, LE = lab exercise, INQ = inquiry-based learning exercise, X = other (specify)

Course	Type	Broad knowledge and competency in specific area		Use empirical approach to evaluate biological phenomena		Communicate biological knowledge effectively	
		Level	Assessment	Level	Assessment	Level	Assessment
155	A	I	E				
155H	A*	I	E, D				
156	A	I	E				
157	A	I	E, A	I	LE, P	I	LE, P
158	A	I	E, A	I	P	I	P
159	A	I	E	I	E, X (geologic timeline assignment)	I	E, X (geologic timeline assignment)
160	A	I	E				
206	B	R	E, INQ, LE	R	INQ	R	O, INQ
213	A	I	E		E		P
215/L	B	R	P	R	P		P
222	B	I	E		E		E, D
224/L	B	R	O		E, INQ, LE		O, INQ, LE
230/L	B	R	E, X (lab exercises), A	R	E, X (case studies), X (lab exercises), A	R	E, X (lab exercises)
231/L	B	R	E, X (lab exercises), A	R	E, X (case studies), X (lab exercises), A	R	E, X (poster assignment), X (lab exercises), O

240	B	R					E, P, O
255	B	I	E				P
260	B	R	E		E		O
301	B	R	E, P, O	R	D, O, P	R	O, P
302	B	R	E, P, O	R	D, O, P	R	O, P
310/L	B	R			LE		E, P, O
331	B	R	E	R	D		
350/L	B	R	E, LE	R	E, LE	R	E, LE
360/L	B	R	E		E		
370	B	R	E		E		E, D, O
398	B	R					P
399	B	R	N		N		O, P
405	B	M	P, O, X (daily class & weekend projects)	M	E, INQ	M	E, INQ
406	B	M	P, O, IR, X (group research), D		P, O, IR, X (group research), D		P, O, IR, X (group research), X (research podcasting), D
410	B	M			X (case studies)		E, CD
415	B	M					
417/L	B	M	P			M	O, P
420	B	M	E		D		O
423/L	B	M	E		E, LE		OT (field notes)
424/L	B	M	E, LE	R	E	R	O
426/L	B	M	E, O, X (Teaching assignment)	M	E, O, X	M	E, O, X
435/L	B	M	E		D,P/INQ		P/INQ
444/L	B	M	E		E, O, INQ		O, P
447/L	B	M	E, LE	R	LE		
454/L	B	M	E		D,X (field		O

					notebook for BL 454L)		
459	B	M	E		P, D		O
465	B	M	E		O, E, X (take home exam)		O
470	B	M			IR, P		O, P
471	B	M			X (case studies)		O, P
475	B	M	E				O
478	B					R	P
479	B	M					
PH115/L		I	E	R	LE	I	O
PH206		I	E	R	CD, INQ		

CELL AND MOLECULAR BIOLOGY CURRICULUM MAP

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		Level	Assessment	Level	Assessment	Level	Assessment
155	A	I	E				
155H	A*	I	E, D			I	D
156	A	I	E				
157	A	I	E, A	I	LE, P	I	LE, P
158	A	I	E, A	I	P	I	P
159	A	I	E	I	E, X (geologic timeline assign.)	I	E, X (geologic timeline assign.)
160	A	I	E				
213	A	I	E	I	E	I	P
215/L	B	R	P	R	P	R	P
301	B	R	E, P, O	R	D, O, P	R	O, P
302	B	R	E, P, O	R	D, O, P	R	O, P
310/L	B	R	LE	M	E, P, O		
399	B	M	N	M	N	M	O, P
410	B	M		M	X (case studies)	M	E, D
459	A	M	E	M	P, D	M	O
465	A	M	E	M	O, E, X (take home exam)	M	O
470	A	M	E	M	IR, P	M	O, P
471	B	M	E	M	X (case studies)	M	O, P
475	B	M	E			M	O

ENVIRONMENTAL SCIENCE CURRICULUM MAP

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		Level	Assessment	Level	Assessment	Level	Assessment
155	A	I	E				
155H	A*	I	E, D				
156	A	I	E				
157	A	I	E, A	I	LE, P	I	LE, P
158	A	I	E, A	I	P	I	P
159	A	I	E	I	E, X (geologic timeline assignment)	I	E, X (geologic timeline assignment)
160	A	I	E				
206	B	R	E, INQ, LE	R	INQ	R	O, INQ
222	A	I	E		E		E, D
224/L	B	R	O		E, INQ, LE		O, INQ, LE
255	B	I	E				P
331	A	R	E	R	D		
398	B	R					P
399	B	R	N		N		O, P
406	B	M	P, O, IR, X (group research), D		P, O, IR, X (group research), D		P, O, IR, X (group research), X (research

							podcasting), D
417/L	B	M	P			M	O, P
423/L	B	M	E		E, LE		OT (field notes)
424/L	B	M	E, LE	R	E	R	O
426/L	B	M	E, O, X (Teaching assignment)	M	E, O, X	M	E, O, X
435/L	B	M	E		D,P/INQ		P/INQ
444/L	B	M	E		E, O, INQ		O, P
447/L	B	M	E, LE	R	LE		
454/L	B	M	E		D,X (field notebook for BL 454L)		O
479	B	M					
PH115/L	A	I	E	R	LE	I	O
PH206	A	I	E	R	CD, INQ		