

UNIVERSITY OF MASSACHUSETTS DARTMOUTH
BIOLOGY ELECTIVES FOR MARINE AND GENERAL BIOLOGY OPTIONS

A minimum of Eighteen (18) credits should be selected from the following list of junior and senior level courses. For the marine biology option, a minimum of twelve credits must come from courses marked with (*). Other upper division courses in mathematics, chemistry, physics, engineering, or marine science may be used to fulfill upper division requirements in biology with written approval of the advisor and chairperson prior to registration in the course.

			Exceptions require waiver signed by Chairperson Undergraduates may enroll in these Graduate courses with the approval of the instructor.		
BIO 314	General Ecology	4			
* BIO 316	Descriptive Oceanography	3			
* BIO 317	Biology of Invertebrates	4	BIO 511	Grad. Sem. in Biol. - Selected Topics	1-4
BIO 320	Embryology	4			
BIO 321	General Microbiology	4	BIO 525	Graduate Student Seminar	1
BIO 333	General Genetics	4	* BIO 526	Marine Benthic Ecology	4
BIO 350	Plant Biology	4	* BIO 531	Advanced Ichthyology	4
BIO 370	Animal Physiology	4	* BIO 536	Estuarine Ecology	4
BIO 405	Human Molecular Genetics	3	* BIO 545	Biological Oceanography	4
BIO 411	Proseminar: Current Topics in Biol.	3**			
* BIO 413	Biology of Fishes	4			
* BIO 414	Biology of Marine Mammals	3			
BIO 415	Comp. Vertebrate Anatomy	4			
BIO 420	Animal Behavior	3			
BIO 421	Developmental Biology	4			
BIO 422	Immunology	3			
BIO 427	Molecular Biology	3			
BIO 430	Introduction to Biological Stats.	4			
BIO 434	Advanced Cell Biology	3			
BIO 437	Evolutionary Biology	3			
BIO 438	Evolutionary Biology Laboratory	1			
BIO 440/441	Research Project	1-3/1-3			
BIO 442	Advanced Genetics	3			
BIO 452	Virology	3			
* BIO 454	Biology of Sharks	3			
* BIO 471	Marine Microbiology	4			
BIO 495	Independent Study	3			
BIO 396/496	Directed Study	3			

* Marine Biology Option: minimum of twelve credits must come from these courses.

Exceptions require waiver signed by Chairperson

** Maximum credit allowed for Biology elective

Revised 10//29/07