DEPARTMENT OF BIOLOGY

UNDERGRADUATE PROGRAM CURRICULUM MAP

BS INTERDISCIPLINARY SCIENCES - ZOO SCIENCE SPECIALIZATION

SEPTEMBER 2011

DEFINITIONS OF TERMS

I = Introduce = The level of learning expected of a novice

R = Reinforce = The level of instruction and learning expected with students who have been introduced to concepts or skills previously; not the final goal state

M = Mastery = The intended goal state of learning our program aspires to achieve

X = Not applicable

		Common Prequisite			Major Courses														
									Biology Subcore										
										Choose 3 with advisor				Choose 2 SH of Directed Independent Study					
	Student Learning Outcomes	ZOO1010/L General Zoology/Lab	PCB2131 Cell Biology	PCB2131L Cell Biology Lab	PCB3063/L Genetics/Lab	PCB3253/L Developmental Biology/Lab	PCB4043/L Ecology/Lab	PCB4723/L Comparative Animal Physiol I/Lab	BSC4305 Biogeography	PCB4673 Principles of Evolution	ZOO4304/L Marine Vertebrate Zoology/Lab	ZOO4485 Marine Mammalology	ZOO4513 Animal Behavior	BSC3905 Directed Independent Study	BSC4905 Directed Independent Study	PCB3905 Directed Independent Study	PCB4905 Directed Independent Study	ZOO3905 Directed Independent Study	ZOO4905 Directed Independent Study
Content	Identify and use the concepts, principles, and theories that constitute the core subdisciplines of the biological sciences	I	I	I	I	M	I	M	R	M	M	I	R	R	M	R	M	R	M
Content	Employ techniques central to analysis of biological materials	I	I	I	I	M	R	R	R	R	M	I	R	R	M	R	M	R	M
Content	Describe discipline-related career paths for which recipients of the BS in Biology are qualified	I	I	I	I	M	M	M	M	R	X	I	M	R	M	R	M	R	M
Critical Thinking	Apply scientific method to solve problems in the biological sciences	I	I	I	I	M	I	X	R	R	M	R	M	R	M	R	M	R	M
Critical Thinking	Select and conduct appropriate statistical analyses	X	I	I	I	M	I	R	X	X	I	R	R	R	M	R	M	R	M
Communication	Employ biological terminology accurately	I	I	I	I	M	M	X	M	M	X	X	M	R	M	R	M	R	M
Communication	Use language in written form effectively and professionally	I	I	I	I	M	M	R	R	R	X	X	R	R	M	R	M	R	M
Communication	Communicate biological information in oral form employing appropriate technology	I	I	I	I	M	M	X	R	R	X	X	R	R	M	R	M	R	M
Integrity/ Values	Describe ethical challenges involved in conducting scientific research with humans and animals	I	I	I	R	M	I	X	R	R	X	I	M	R	M	R	M	R	M
Integrity/ Values	Adhere to appropriate ethical practices in research and teaching	I	I	I	R	M	I	I	R	R	X	I	M	R	M	R	M	R	M
Project Management	Design and execute a project that incorporates a reasonable time line to address a problem in the biological sciences	I	I	I	R	M	M	X	X	X	X	X	R	R	M	R	M	R	M
Project Management	Draw and defend conclusions related to the results of the study	I	I	I	R	M	M	X	X	X	X	X	R	R	M	R	M	R	M
Project Management	Collaborate effectively with others on team projects	I	I	I	R	M	M	M	X	X	X	X	R	R	M	R	M	R	M