

UMBC UGC Change in Existing Course: BIOL 457: Physiology of Marine and Estuarine Animals

Date Submitted: May 27, 2015

Proposed Effective Date: Fall 2015

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COURSE INFORMATION: (please provide all information in the "current" column, and only the information changing in the "proposed" column)

change		current	proposed
<input type="checkbox"/>	Course Number(s)	BIOL 454	
<input type="checkbox"/>	Formal Title	Physiology of Marine and Estuarine Animals	
<input type="checkbox"/>	Transcript Title (≤30c)	Phys:Marine/Est Animals	
<input type="checkbox"/>	Recommended Course Preparation	(none)	
X <input type="checkbox"/>	Prerequisite NOTE: Unless otherwise indicated, a prerequisite is assumed to be passed with a "D" or better.	BIOL 305, with a grade of C or better	BIOL 305 or BIOL 307, with a grade of C or better
<input type="checkbox"/>	Credits	4	
<input type="checkbox"/>	Repeatable?	X <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/>	Max. Total Credits	4	Max. Total Credits: This should be equal to the number of credits for courses that cannot be repeated for credit. For courses that may be repeated for credit, enter the maximum total number of credits a student can receive from this course. E.g., enter 6 credits for a 3 credit course that may be taken a second time for credit, but not for a third time. Please note that this does NOT refer to how many times a class may be retaken for a higher grade.
<input type="checkbox"/>	Grading Method(s)	X <input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail	<input type="checkbox"/> Reg (A-F) <input type="checkbox"/> Audit <input type="checkbox"/> Pass-Fail

CURRENT CATALOG DESCRIPTION:**BIOL 457 - Physiology of Marine and Estuarine Animals.**

(4.00)

A study of the physiological specializations demanded by marine/estuarine environments, including physiological mechanisms for coping with stresses imposed by extremes of temperature, salinity, aerial exposure and low oxygen concentrations; sensory physiology, including visual, chemical and mechanical modalities; exogenous and endogenous rhythms related to tidal or diel cycles; and bioluminescence. The course includes one or more trips to field laboratories.

Course ID: 52554

Consent: No Special Consent Required

Components: Lecture

PROPOSED CATALOG DESCRIPTION (no longer than 75 words): leave blank if no changes are being proposed to the catalog description. NOTE: information about prerequisites should NOT appear in the catalog description.)**RATIONALE FOR CHANGE:**

BIOL 307 is a new course, entitled "Human Physiology", which is similar to BIOL 305 "Comparative Animal Physiology" and therefore appropriate as an alternate prerequisite.