

# FLORIDA ATLANTIC UNIVERSITY™

## Undergraduate Programs—COURSE CHANGE REQUEST<sup>1</sup>

UUPC APPROVAL \_\_\_\_\_  
 UFS APPROVAL \_\_\_\_\_  
 SCNS SUBMITTAL \_\_\_\_\_  
 CONFIRMED \_\_\_\_\_  
 BANNER POSTED \_\_\_\_\_  
 CATALOG \_\_\_\_\_

<b>DEPARTMENT: BIOLOGICAL SCIENCE</b>	<b>COLLEGE: COLLEGE OF SCIENCE</b>
<b>COURSE PREFIX AND NUMBER: OCB 4043L</b>	<b>CURRENT COURSE TITLE: MARINE BIOLOGY FIELD STUDIES AND LABORATORY</b>
<b>CHANGE(S) ARE TO BE EFFECTIVE (LIST TERM): FALL 2013</b>	<b>_____ TERMINATE COURSE (LIST FINAL ACTIVE TERM):</b>
<b>CHANGE TITLE TO:</b>  <b>CHANGE PREFIX FROM: TO:</b>  <b>CHANGE COURSE NO. FROM: TO:</b>  <b>CHANGE CREDITS <sup>2</sup> FROM: TO:</b>  <b>CHANGE GRADING FROM: TO:</b>  <b>CHANGE WAC/GORDON RULE STATUS <sup>3</sup></b> ADD* _____ REMOVE _____  <b>CHANGE GENERAL EDUCATION REQUIREMENTS <sup>4</sup></b> ADD* _____ REMOVE _____  <small>*WAC and General Education criteria must be clearly indicated in attached syllabus. For WAC Guidelines: <a href="http://www.fau.edu/WAC">www.fau.edu/WAC</a>. Please attach General Education Course Approval Request: <a href="http://www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php">www.fau.edu/deanugstudies/GeneralEdCourseApprovalRequests.php</a></small>	<b>CHANGE DESCRIPTION TO:</b>  <b>CHANGE PREREQUISITES/MINIMUM GRADES TO*:</b>  <u>EXISTING</u>  <u>NEW PRE/REQ.</u> BSC 1010, BSC1010L, BSC 1011, BSC 1011L, ZOO 2203, ZOO 2203L  <u>MINIMUM PASSING GRADE C-</u>  <b>EXISTING COREQUISITES:</b>  <b>CHANGE COREQUISITES TO*:</b>  <b>CHANGE REGISTRATION CONTROLS TO:</b>  <small>*Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).</small>
<b>Attach syllabus for ANY changes to current course information.</b>	
Should the requested change(s) cause this course to overlap any other FAU courses, please list them here.	Please consult and list departments that might be affected by the change(s) and attach comments. <sup>5</sup>

Faculty contact, email and complete phone number:  
 David Binninger; [binninge@fau.edu](mailto:binninge@fau.edu); 561.297-3323

<b>Approved by:</b> Department Chair: <u><i>David Binninger</i></u> College Curriculum Chair: <u><i>J E My</i></u> College Dean: <u><i>Debra</i></u> UUPC Chair: <u><i>J E My</i></u> Undergraduate Studies Dean: <u><i>Edward Smith</i></u> UFS President: _____ Provost: _____	<b>Date:</b> Feb. 27, 2013  <u><i>3/21/13</i></u> <u><i>3/20/13</i></u> <u><i>3/22/13</i></u> <u><i>3/27/13</i></u>	<ol style="list-style-type: none"> <li>1. Syllabus must be attached; syllabus checklist recommended; see guidelines and checklist: <a href="http://www.fau.edu/academic/registrar/UUPCinfo">www.fau.edu/academic/registrar/UUPCinfo</a></li> <li>2. Review Provost Memorandum: <b>Definition of a Credit Hour</b> <a href="http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf">www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf</a></li> <li>3. WAC approval (attach if necessary)</li> <li>4. Gen. Ed. approval (attach if necessary)</li> <li>5. Consent from affected departments (attach if necessary)</li> </ol>
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Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the University Undergraduate Programs Committee meeting so that materials may be viewed on the UUPC website prior to the meeting.

# MARINE BIOLOGY

## FIELD STUDIES AND LABORATORY



### OCB 4043L-001 (80389) Fall 2013

(Pre-requisite: BSC 1010, BSC 1010L, BSC 1011, BSC 10111, ZOO 2203, ZOO 2203L Minimum passing grade of C-)  
(Corequisite: OCB 4043)  
Tier #2 Elective

**Tuesdays 2:00-5:50pm, SC 255**

**INSTRUCTORS:** Chelsea Bennice, Dr. W. Randy Brooks

**E-MAIL ADDRESS:** cbennice@fau.edu

**OFFICE HOURS:** By appointment

**COURSE CONTENT:** Laboratory experiences of major concepts of marine science with an emphasis of local and regional habitats (2credits)



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#### Introduction

The purpose of this laboratory class is to familiarize students with general principals of marine chemistry, and ecological interactions found within marine environments located around southern Florida. Students will become familiar with a variety of species found in our waters and learn about interactions between such species. Students will then be instructed on basic field sampling techniques and will apply such techniques in the field on numerous class trips.

**Invertebrate Zoology Prerequisite Policy:** To study marine science, among other topics, a strong foundation in animal taxonomy is required. While most biology students (through classes and perhaps life experiences) will inherently be familiar with vertebrates, most marine animals are invertebrates - thus, the reason for requiring an **Invertebrate Zoology** course (Lecture & Lab). However, I have allowed "some" students to take this course (lecture and/or lab) without this prerequisite. To ensure that all students are at least minimally prepared with such background knowledge, **I am requiring the following work be completed and emailed to me (wbrooks@fau.edu) by 1pm on Friday, August 24<sup>th</sup>** (this date is the last date to drop the course without the liability of fee payment for the course):

1) Read the following Chapters in the textbook **Introduction to Marine Biology** by Karleskint et al., 2010 (3<sup>rd</sup> edition)(Must use this edition):

A. Chapter 8: Lower Invertebrates

B. Chapter 9: Higher Invertebrates

2) Do all of the **Multiple Choice, Short Answer** and **Thinking Critically** questions on the following pages:

A. Chapter 8: pp. 215-216

B. Chapter 9: pp. 259-260

Note: 1-2 paragraphs each will suffice for the Short Answer and Thinking Critically section. For the multiples choice questions, just type the question number followed by the choice (e.g., 1. = b). Your work is to be done independently – no group effort!

To validate that students have taken **Invertebrate Zoology**, I will require the 1<sup>st</sup> day of class a hard copy of your transcript highlighting that this course has been completed with a minimum grade of C-. Those students taking **Invertebrate Zoology** concurrently are also required to complete the assignment. Without such validation, all students will be required to complete the assignment above. **You must complete the assignment by the due date and time; otherwise, you will be withdrawn from the class automatically.**

**Lab Manual:** We produce the Lab Manual and charge \$10 (Lab manual available during 1st lab class)

#### Attendance Policy

There will be two field trips to the Florida Keys. The **attendance for these two trips is mandatory!** Students who skip these trips will receive a failing grade. Please take the time to check the dates on the following pages and confirm that you do not have other conflicts. There will be no excuses accepted after the drop-add deadline. I consider myself a very lenient TA in all matters but attendance. Be on time, there is no excuse to be late. Students who attend late will have points subtracted from their final grade for the course. You are permitted to miss one lab class for the entire semester. This is only to cover serious reasons such as medical/personal reasons. Also, this allowed absence does not include the field trips since attendance for these trips is mandatory. **For "each" unexcused absence above one (i.e., 2 or more), a 10% final course points deduction will occur.** If you are unclear on any of these policies speak with me after class.

### Religious Accommodations:

Students who wish to be excused from coursework, class activities or examinations must notify the instructor in advance of their intention to participate in religious observation and request an excused absence.

### Grading Policy

There will be 500 points available in this class. The following grading scale will be used

#### ***Grading Scale:***

<u>Letter</u>	<u>Percentage</u>	<u>Points (500 total)</u>
A	90% & above	450 & above
B+	87-89%	438-449
B	83-86%	417-437
B-	80-82%	400-416
C+	77-79%	388-399
C	73-76%	367-387
C-	70-72%	350-366
D+	67-69%	335-349
D	63-66%	317-334
D-	60-62%	300-316
F	59%-below	299-below

You will take three exams. The 1<sup>st</sup> exam will be mid-semester and worth 75 points. The 2<sup>nd</sup> exam will be worth 100 and a final at the end of the semester worth 125 points. At the end of the semester you will give a presentation worth 100 points. The remaining 100 points will be split between two projects worth 25 points each (lab report and shell collection project), maintaining a neat and detailed lab notebook worth another 25 points and participation worth the remaining 25 points. There may be limited opportunities for extra credit but they will be available only to students who are maintaining a reasonable standard in the class.

### **Tentative Lab Schedule**

#### **Semester Schedule**

Week 1	August 21 <sup>st</sup>	Introduction/syllabus Exercise 1
Week 2	August 28 <sup>th</sup>	Exercise 2
Week 3	September 4 <sup>th</sup>	Exercise 3
Week 4	September 11 <sup>th</sup>	Exercise 4
Week 5	September 18 <sup>st</sup>	Exercise 6
<b>***** Saturday September 22<sup>nd</sup> Trip to Florida Keys Exercise 5 *****</b>		
Week 6	September 25 <sup>th</sup>	<b>****Exam 1****</b>
Week 7	October 2 <sup>th</sup>	Exercise 7
Week 8	October 9 <sup>th</sup>	Exercise 8
Week 9	October 16 <sup>th</sup>	Exercise 12 HBOI
Week 10	October 23 <sup>rd</sup>	Exercise 10
Week 11	October 30 <sup>th</sup>	Exercise 11 Gumbo Limbo
Week 12	November 6 <sup>th</sup>	<b>****Exam 2****</b>
<b>***** November 9<sup>th</sup>-11<sup>th</sup> Trip to the Florida Keys Exercise 9 *****</b>		
Week 13	November 13 <sup>th</sup>	Abstracts due/ Workday
Week 14	November 20 <sup>th</sup>	Exercise 13 Student Presentations
Week 15	November 27 <sup>th</sup>	Exercise 13 Student Presentations
Week 16	December 4 <sup>th</sup>	Exercise 13 Student Presentations

### **Honor Code and Safety:**

Just don't cheat. Students who are caught cheating will be considered in violation of the university's honor code. Cheating will be grounds for immediate dismissal from the class and may go under review by the university. Also, be safe in the lab. I will give you a complete introduction to safety equipment (both where it is and how to use it) as well as individual instruction before any lab or field trip to address potential risks. But, in general, take your time and arrive at lab familiar with the day's activities and we'll all be alright.

([http://www.fau.edu/ctl/4.001\\_Code\\_of\\_Academic\\_Integrity.pdf](http://www.fau.edu/ctl/4.001_Code_of_Academic_Integrity.pdf))

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*In compliance with the Americans with Disabilities Act (ADA), students who require special accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD) located in Boca Raton - SU 133 (561-297-3880). For those needing extra time accommodations, please make sure your course schedule will not create conflicts, as I require that “all” students start exams at the same time (for exam content security purposes). This can be accomplished by avoiding taking classes back-back (i.e., schedule classes at least several hours apart), as I would advise “all” students to ensure academic success. Additionally, certain aspects of Marine Biology lab require physical activities that might be restrictive for some types of disabilities.*