

# FLORIDA ATLANTIC UNIVERSITY™

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

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

DEPARTMENT: BIOLOGICAL SCIENCE	COLLEGE: COLLEGE OF SCIENCE
COURSE PREFIX AND NUMBER: OCB 4043	CURRENT COURSE TITLE: MARINE BIOLOGY
CHANGE(S) ARE TO BE EFFECTIVE (LIST TERM): FALL 2013	_____ TERMINATE COURSE (LIST FINAL ACTIVE TERM):

<p><b>CHANGE TITLE TO:</b></p> <p><b>CHANGE PREFIX FROM:</b> _____ <b>TO:</b> _____</p> <p><b>CHANGE COURSE NO. FROM:</b> _____ <b>TO:</b> _____</p> <p><b>CHANGE CREDITS<sup>2</sup> FROM:</b> _____ <b>TO:</b> _____</p> <p><b>CHANGE GRADING FROM:</b> _____ <b>TO:</b> _____</p> <p><b>CHANGE WAC/GORDON RULE STATUS<sup>3</sup></b>                  ADD* _____ REMOVE _____</p> <p><b>CHANGE GENERAL EDUCATION REQUIREMENTS<sup>4</sup></b>                  ADD* _____ REMOVE _____</p> <p><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></p>	<p><b>CHANGE DESCRIPTION TO:</b></p> <p><b>CHANGE PREREQUISITES/MINIMUM GRADES TO*:</b></p> <p><b>EXISTING</b>                  ZOO 2203 OR PERMISSION OF INSTRUCTOR</p> <p><b>NEW PRE/REQ.</b>                  BSC 1010, BSC 1010L, BSC 1011, BSC 1011L, ZOO 2203, ZOO 2203L</p> <p><b>MINIMUM PASSING GRADE C-</b></p> <p><b>EXISTING COREQUISITES:</b></p> <p><b>CHANGE COREQUISITES TO*:</b></p> <p><b>CHANGE REGISTRATION CONTROLS TO:</b></p> <p><small>*Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).</small></p>
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Attach syllabus for ANY changes to current course information.

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>
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Faculty contact, email and complete phone number:  
 David Binninger; binninge@fau.edu; 561.297-3323

<p><b>Approved by:</b></p> <p>Department Chair: <u><i>David Binninger</i></u></p> <p>College Curriculum Chair: <u><i>J E My</i></u></p> <p>College Dean: <u><i>John</i></u></p> <p>UUPC Chair: <u><i>J E My</i></u></p> <p>Undergraduate Studies Dean: <u><i>Elizabeth</i></u></p> <p>UFS President: _____</p> <p>Provost: _____</p>	<p><b>Date:</b></p> <p>Feb. 27, 2013</p> <p><u><i>3/20/13</i></u></p> <p><u><i>3/20/13</i></u></p> <p><u><i>3/22/13</i></u></p> <p><u><i>3/27/13</i></u></p> <p>_____</p> <p>_____</p>	<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: Definition of a Credit Hour <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 [mianning@fau.edu](mailto:mianning@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

## OCB 4043-001 (80388) Fall 2013

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

**Tuesday & Thursday 1- 1:50pm, SC 141**

**INSTRUCTOR:** Dr. W. Randy Brooks

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

**OFFICE HOURS:** Tues/Thurs 9:45am – 12:00 pm  
Biological (Sanson) Science, Rm 268-269

**COURSE CONTENT:** Discussion of major concepts of marine science (2 credits)

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\* **Blackboard:** I will be using Blackboard, an online program for managing communication and grade information.

Please go to the following website:

<http://blackboard.fau.edu>

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**University Attendance Policy:** “Students are expected to attend all of their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor...” (University Catalogue, 2012-2013)

**Marine Biology Attendance Policy:** Students *are required to attend punctually each lecture*. Unannounced quizzes (See I-Clicker section below) will be given throughout the term, which not only will require attendance but that students are prepared academically each class. **For “each” unexcused absence above two (i.e., 3 or more), a 10% final course points deduction will occur** (See “*Makeup exam/quiz policy for definition of “Excused Absences”*”).

**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.**

**I-Clicker:** Each student will be required to purchase and register (see instructions below) an I-Clicker Remote, and must bring it to class EACH lecture. The I-Clicker remote will be used for: 1) **Regular Quizzes (worth 5 points each)**, 2) **Diagnostic Quizzes** (which do not count against your grade, but may be worth extra credit), and 3) **Attendance** (I can take attendance via either type of quiz, or simply ask you to key in that you are present without taking a quiz).

If you come in after a quiz is given that same day (I-Clicker remotes can only be used when I activate a receiver at the front of the class room, which will only be for a few minutes during quizzes, etc.), it is *YOUR RESPONSIBILITY* to sign the attendance sheet at the end of that same class period. If you have to leave class (which should only be in an emergency) before a quiz is given that day, **BEFORE CLASS BEGINS** show “ME” your student ID and give me a written note explaining your justification (with phone number for verification) for having to leave class early - otherwise, you will be counted as having an unexcused absence.

**I-Clicker Registration:** I require that **ALL** students register their device via Blackboard. Here are the instructions: Once you log onto Blackboard, click on the Course Tools on the left side of the screen. Scroll down to the bottom and click on the link Register Your I-clicker Remote ID, and follow the instructions. You must register your device via Blackboard... even if you already registered your I-clicker device online via the I-Clicker website, which you should also do again (to be sure).

Remember, you must have your device registered to this class. It is also your responsibility to bring your Device EACH CLASS PERIOD and to keep it functional (Hint: do not leave it in your car; it gets really hot in S. Florida; also, make sure the batteries are in good shape; the device will flash a red light when you have less than 10 hours of charge left).

**“No I-Clicker – No Quiz!”**  
You can, however, sign in manually for attendance!!!

**Electronic Devices & Student Honor Code: Cell/Smart phones must be Turned Off and Stored Completely Out of View at All Times** (no cell phones in external holders/belt)

straps, too). Any student with a cell phone or any other non-approved electronic device in view during an exam/quiz will be considered cheating just as they would be for talking, looking at other's exams, etc. Students May Only Have One I-Clicker With Them in Class at All Times. Any students observed with 2 or more I-Clickers will be considered to be cheating, regardless of whether there was a quiz and/or attendance taken. All instances of cheating will be pursued fully, including an automatic F in the course and notation on the student's University record (see Honor Code, 6c5-4.01). ([http://www.fau.edu/ctl/4.001\\_Code\\_of\\_Academic\\_Integrity.pdf](http://www.fau.edu/ctl/4.001_Code_of_Academic_Integrity.pdf))

**Laptops/tablets can be used for notetaking purposes only – no websurfing, social networking, etc.**

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**BOOKS:** Lecture - Karleskint, G. et al., 2010. Introduction to Marine Biology  
Marine Biology, QuickStudy

Lecture Notes (available in class for \$5)

**I-CLICKER:** Available at FAU Bookstore & Internet (& Booksmart)

**LECTURE CD:** I will LOAN each student a CD with my PowerPoint lectures (requires minimally PowerPoint 2002). These will be **distributed beginning the 2<sup>nd</sup> week of classes** (i.e., after drop/add). Please transfer the PowerPoint lecture to the hard drive of your personal computer, and keep the CD in a safe place (to prevent damage) until the end of the term. I will then collect the CD's on the day of the final exam – **1 extra credit point** will be given to each student once they have returned the CD.

**LECTURE & READING ASSIGNMENTS\*:**

<b>Unit I</b>	<b>Chapter</b>
Science and Marine Biology	1
Geology of the Oceans	3
Water, Waves, and Tides	4

**Unit I Exam Date \_**  
**TBA**

<b>Unit III</b>	
Water, Waves, and Tides	4
Biological Concepts	5
Marine Microbes	6
Multicellular Primary Producers	7
Intertidal Communities	

13  
The Open Sea

17  
**Unit II Exam Date TBA**

<b>Unit III</b>	
Life in the Ocean's Depths	18
Estuaries	14
Continental Shelves and Neritic Zone	16
Coral Reefs	15

**Unit III Exam & Optional Comprehensive Final Date Thur, Nov. 29<sup>th</sup>, 10:30 – 1:00 pm**

- There will be a “lot” of supplemental readings and videos, which will also be covered on exams

To master the material in this course, fifteen weeks of effort are required with a minimum of two hours per week per credit hours on the out of classroom assignments.

**LECTURE GRADING:** 1<sup>st</sup> Exam = 50 pts; 2<sup>nd</sup> Exam = 100 pts; 3<sup>rd</sup> Exam = 125 pts; \*Optional Comprehensive Final = 125 pts

Five Quizzes – 5 points each

<b>Lecture exams (3)</b>		275
	points	
<b>Quizzes (5)</b>		25
	points	
		300 points total

## GRADING SCALES

Without Comprehensive Final	With Comprehensive Final (*Decision to take by Tuesday, Nov. 20 <sup>th</sup> )
270-300 = A	382-425 =
261-269 = B+	369-381 =
249-260 = B	349-368 =
240-248 = B-	340-348 =
231-239 = C+	327-339 =
219-230 = C	306-326 =
210-218 = C-	297-305 =
201-209 = D+	289-296 =
189-200 = D	263-288 =
180-188 = D-	255-262 =
0-179 = F	0-254 =

**Make-up Exam/Quiz Policy:** A make-up exam/quiz will be given only if the student can provide a **WRITTEN, VERIFIABLE EXCUSE FOR THEIR ABSENCE FROM AN EXAM/QUIZ**. There are no exceptions to this policy; so please don't ask! If you are ill or have some other valid reason for missing an exam/quiz, **YOU MUST NOTIFY ME EITHER BEFORE OR WITHIN FOUR HOURS OF THE TEST TIME**. You may contact me either at 297-3888 (I have voice mail) or by contacting the Biology Office at 297-

3320 and leaving a message for me. (E-mail alone **CANNOT** be used for notification of missed exams). This verbal notification **DOES NOT, HOWEVER, EXCUSE YOUR ABSENCE**; it simply informs us that you are absent and will bring a **WRITTEN, VERIFIABLE EXCUSE** (with telephone # for verbal verification) from a **PROFESSIONAL** upon your return to school. Written verification will not be accepted beyond the first class period back (i.e., you must turn it in the very next class period you attend – not weeks/months later). Again, you must notify me right away (within 4 hours) about your absence – not days later, even if there is a medical situation (unless circumstances absolutely preclude immediate notification – which I will need to verify as well). So, again, if you miss a class in which there was a quiz or exam, and you wait until our next class meeting, your absence

**WILL BE UNEXCUSED.**

If a person misses either Unit I or II exams, and follows the protocol outlined above, they will be allowed to make up such exams **ONLY DURING THE FINAL EXAM CLASS PERIOD, AFTER THEY COMPLETE EXAM THREE**. The make-up exam will be a comprehensive essay exam covering topics from the entire course. However, the point value of this exam will be equal to whichever exam was missed (either 50 or 100 points).

If a person misses any quizzes, and follows the protocol outlined above, they will be allowed to make up such quizzes **ONLY** during the final exam period after they take exam three. The make-up quizzes will be comprehensive in nature covering topics from the entire course.

**Makeup quizzes will not be available for those who simply forgot their I-Clicker, or whose battery was drained/dead in the device.**

Students who come to class **late by 20 minutes or more on a Unit Exam** day will not be allowed to take the exam that same day. A makeup exam (see paragraph 2 above) **MAY** be available if verification is provided to excuse the tardiness.

If you will be absent on an exam day because of a holiday not observed by the University, you must notify me in advance to make arrangements to make up work immediately upon your return to school. Students who miss the final exam with an excuse, and who are passing at the time, will receive an incomplete and have to take the comprehensive essay exam after the term is over. Any student wishing to take the 3<sup>rd</sup> exam early must also take the comprehensive essay exam. **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.*

***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.***