

# 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 4032</b>	<b>CURRENT COURSE TITLE: MARINE BIODIVERSITY</b>
<b>CHANGE(S) ARE TO BE EFFECTIVE (LIST TERM): FALL 2013</b>	<b>_____ TERMINATE COURSE (LIST FINAL ACTIVE TERM):</b>

<p><b>CHANGE TITLE TO:</b></p> <p><b>CHANGE PREFIX FROM: TO:</b></p> <p><b>CHANGE COURSE NO. FROM: TO:</b></p> <p><b>CHANGE CREDITS<sup>2</sup> FROM: TO:</b></p> <p><b>CHANGE GRADING FROM: 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>                  BSC 1010, BSC1010L, BSC 1011, BSC1011L</p> <p><b>NEW PRE/REQ.</b>                  BSC 1010, BSC1010L, BSC 1011, BSC 1011L, CHM 2045, CHM 2045L, CHM 2046, CHM 2046L, CHM 2210, CHM 2211, CHM 2211L</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</small></p>
--	---

**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>
---	---

Faculty contact, email and complete phone number:  
 David Binninger; [binninge@fau.edu](mailto: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. S. Kelly</i></u></p> <p>College Dean: <u><i>J. S. Kelly</i></u></p> <p>UUPC Chair: <u><i>J. S. Kelly</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>3/27/13</i></u></p> <p><u><i>3/20/13</i></u></p> <p><u><i>3/20/13</i></u></p> <p><u><i>2/22/13</i></u></p> <p><u><i>3/27/13</i></u></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: <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>
---	---	--

Email this form and syllabus to [binninge@fau.edu](mailto:binninge@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.



## 8. Course Evaluation Methods:

Final grades will be determined by averaging together grades for five activities:

Exam 1	25%
Exam 2	25%
Exam 3 (Final)	25%
Research Written Paper	15%
Quizzes	10%

### **Details:**

Exams: There will be 3 exams, each covering about a third of the course material. The exams will be a mix of objective questions and short answer; there may be some longer essay questions.

Research Written Paper: The topic of the research paper will be a marine biodiversity-related issue, as it relates to a single species (plant, protest, or animal), or a group of related species. In addition to the lecture material, the text by Thorne-Miller is an excellent source of ideas and references. The topic could be one not covered in class at all, or an elaboration of a subject that was covered. The primary literature on the topic should be read, synthesized, and analyzed. During your research, you should use the library resources at HBOI, the library resources available through FAU, and sources on the Internet, all of which should be appropriately cited. Keep in mind that much of the material on the web is “unedited”, and you should be careful in selecting these sources. Publications in scientific journals and reports from government agencies are the most accepted and reliable sources. The topic and a brief outline (ca. 1 page, plus at least three key references) should be submitted for approval by **January 28**. Feel free to discuss possible topics at any time. All written papers (10-20 pages, doubled spaced, 12 pt. font, 1-inch margins) are due on **February 28**.

Quizzes: Periodically during the semester, the instructors will be giving short (10 minute) pop quizzes on previous lectures/assigned readings, with the goal of encouraging all students to review previous lecture material and the readings.

## 9. Course Grading Scale:

Percentage Score:	Grade:	Percentage Score:	Grade:
92% - 100%	A	72% - 77%	C
90% - 91%	A-	70% - 71%	C-
88% - 89%	B <sup>+</sup>	68% - 69%	D <sup>+</sup>
82% - 87%	B	62% - 67%	D
80% - 81%	B-	60% - 61%	D-
78% - 79%	C <sup>+</sup>	0% - 59%	F

10. **Policy on Make-up Tests, Late Work and Incompletes:** If a student cannot attend an exam or hand in a homework project on time due to circumstances beyond their control, then the instructor may assign appropriate make-up work. Students will not be penalized for absences due to participation in University-approved activities, including athletic or scholastics teams, musical and theatrical performances, and debate activities. These students will be allowed to make up missed work without any reduction in the student’s final course grade. Reasonable accommodation will also be made for students participating in a religious observance. Also, note that grades of Incomplete (“I”) are reserved for students who are passing a course but have not completed all the required work because of exceptional circumstances. A grade of “I” will

only be given under certain conditions and in accordance with the academic policies and regulations put forward in FAU's University Catalog. The student must show exceptional circumstances why requirements cannot be met. A request for an incomplete grade has to be made in writing with supporting documentation, where appropriate.

11. **Special Course Requirements:** None.
12. **Classroom Etiquette Policy:** Per the University's policy on the use of electronic devices: "In order to enhance and maintain a productive atmosphere for education, personal communication devices, such as cellular telephones and pagers, are to be disabled in class sessions."
13. **Disability Policy Statement:** In compliance with the Americans with Disabilities Act, students who require reasonable accommodations due to a disability to properly execute coursework must register with the Office for Students with Disabilities (OSD)—in Boca Raton, SU 133 (561-297-3880); in Davie, LA 240 (954-236-1222); in Jupiter, SR 110 (561-799-8010) or at the Treasure Coast Campus, CO 117 (772-873-3441)—and follow all OSD procedures.
14. **Code of Academic Integrity Policy Statement:** Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see University Regulation 4.001 at [http://www.fau.edu/ctl/4.001\\_Code\\_of\\_Academic\\_Integrity.pdf](http://www.fau.edu/ctl/4.001_Code_of_Academic_Integrity.pdf).
15. **Recommended Text/Readings:**  
Main Textbook: Levinton, J.S. 2008. Marine Biology: Function, Biodiversity, Ecology. Third Edition. Oxford University Press, New York, 640 pp. ISBN13: 9780195326949  
Also Recommended: Thorne-Miller, B. 1991. The Living Ocean: Understanding and Protecting Marine Biodiversity. Island Press, Washington, DC 240 pp. ISBN: 1559636785
16. **Supplementary/Recommended:** In some cases, additional readings will be distributed to the class, or placed on reserve at the Harbor Branch Library. All students will have access to the library during the semester. Lectures and other materials will be regularly posted on Blackboard; students are expected to login to Blackboard frequently.
17. **Course Topical Outline (Schedule of Classes):**

**Semester By The Sea 2013**  
**Class Schedule: Marine Biodiversity (OCB 4032)**

Lead Instructor: Dr. Dennis Hanisak, 772-242-2306; e-mail: dhanisak@hboi.fau.edu

Office: Room 135, Lab 2 Building (HBOI)

Lectures: Monday and Thursday 9:00-10:20 (West Seminar Room, Johnson Education Center)

<b>Date (2013)</b>	<b>Instructor</b>	<b>Lecture</b>	<b>Assignments</b>
1/7	Hanisak	Course Introduction/The Diversity of "Marine Plants"	Text and papers assigned at the end of class
1/10	Hanisak	Cyanobacteria and Eukaryotic Microalgae	Text and papers assigned at the end of class
1/14	Hanisak	Marine Macrophytes: Macroalgae	Text and papers assigned at the end of class
1/17	Hanisak	Marine Macrophytes: Angiosperms	Text and papers assigned at the end of class
1/21	<b>No Class - Martin Luther King Day</b>		
1/24	Hanisak	Biodiversity Issues: Eutrophication & Harmful Algal Blooms	Text and papers assigned at the end of class
1/28	Hanisak	Marine Macrophytes: Morphological Characteristics	<b>Topics (Written Papers &amp; Oral Presentations) Due</b>
1/31	Hanisak	<b>Exam 1</b>	
2/4	Voss	Evolution & Systematics	Text and papers assigned at the end of class
2/7	Voss	Protostomes vs. Deuterostomes	Text and papers assigned at the end of class
2/11	Voss	Marine Protozoans & Poriferans	Text and papers assigned at the end of class
2/14	Voss	Cnidarians & Ctenophores	Text and papers assigned at the end of class
2/18	Voss	Marine Mollusca	Text and papers assigned at the end of class
2/21	Voss	Marine Worms	Text and papers assigned at the end of class
2/25	Voss	Marine Arthropoda	Text and papers assigned at the end of class
2/28	Voss	Lophophorates, Echinoderms	<b>Written Papers Due</b>
3/2-8	<b>Spring Break</b>		
3/11	Voss	Hemichordata, Chordata	Text and papers assigned at the end of class
3/14	Voss	<b>Exam 2</b>	
3/18-22	<b>No Class: Ocean Discovery Week</b>		
3/25	Voss	Biodiversity Issues: Coral Reef Ecology and Decline	Text and papers assigned at the end of class
4/1	Masterson	Fish 1	Text and papers assigned at the end of class
4/4	Masterson	Fish 2	Text and papers assigned at the end of class
4/8	Masterson	Fish 3	Text and papers assigned at the end of class
4/11	Masterson	Biodiversity Issues: Fisheries	Text and papers assigned at the end of class
4/15	O'Corry-Crowe	Marine Mammal Biology	Text and papers assigned at the end of class
4/18	O'Corry-Crowe	Sea Birds	Text and papers assigned at the end of class
4/22	Hanisak	<b>Course Wrap Up</b>	
4/26	Masterson	<b>Exam 3 (10-12:30)</b>	