
 FLORIDA ATLANTIC UNIVERSITY	COURSE CHANGE REQUEST Graduate Programs		UGPC Approval _____ UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Marine Science and Oceanography College Science		
Current Course Prefix and Number OCB 6266L		Current Course Title Coral Reef Ecosystems	
<i>Syllabus must be attached for ANY changes to current course details. See Guidelines. Please consult and list departments that may be affected by the changes; attach documentation.</i> Biology			
Change title to: Change prefix From: To: Change course number From: To: Change credits* From: To: Change grading From: To: *Review Provost Memorandum		Change description to: Change prerequisites/minimum grades to: Permission of instructor Change corequisites to: OCB 6266 Ability to swim/snorkel 400 yards Preferred: AAUS scientific diver certification Change registration controls to: Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade.	
Effective Date (TERM & YEAR) Spring 2018		Terminate course List final active term	
Faculty Contact/Email/Phone Joshua Voss; jvoss2@fau.edu; 772-242-2538			
Approved by Department Chair  _____ College Curriculum Chair _____ College Dean _____ UGPC Chair _____ Graduate College Dean _____ UFS President _____ Provost _____		Date 7/10/17 _____ 8/29/2017 _____ 8/29/2017 _____	

Email this form and syllabus to UGPC@fau.edu one week before the UGPC meeting.

Course Syllabus

1. **Course title/number, number of credit hours:**
Coral Reef Ecosystems Lab, OCB 6266L, 1 credit hour
2. **Course prerequisites**
 - a. Registration by permission of instructor
 - b. Corequisite: Coral Reef Ecosystems
 - c. Demonstrated ability to swim/snorkel 400 yards continuously using a snorkel vest.
 - d. Strongly preferred: AAUS scientific diver certification
3. **Course logistics**
 - a. Term – Spring 2018
 - b. Class location and time– HBOI Lab 2 room 119, Thursday 4:00-5:00 PM, plus 3 weekend trips TBD
4. **Instructor contact information**
 - a. Instructor's name – Dr. Joshua Voss
 - b. Office address –Harbor Branch Lab II, Room 121
 - c. Office hours – By appointment or immediately after class
 - d. Contact telephone number – office (772) 242-2538, fax (772) 468-0757
 - e. E-mail address – jvoss2@fau.edu
5. **TA contact information (if applicable)**
 - a. TA name: Michael Studivan (Ph.D. Candidate)
 - b. Office address –Harbor Branch Lab II, Room 124
 - c. Office hours – By appointment or immediately after class
 - d. Contact telephone number – office (772) 242-2304, fax (772) 468-0757
 - e. E-mail address – mstudiva@fau.edu
6. **Course description**

Field and laboratory based exploration of coral reef ecosystems focused on coral identification and underwater scientific methods for coral research.
7. **Course objectives/student learning outcomes**

Students will be able to:

 - a. Identify common coral reef species both in the field and lab, with emphasis on Florida and the Caribbean.
 - b. Design and implement field surveys to assess coral reefs.
 - c. Effectively use Coral Point Count to analyze photo and video survey images.

8. Course evaluation method

Two practical exams, one in the laboratory and one in the water, will each account for 30% of the student's cumulative performance. A group research project and presentation will account for 40% of the student's cumulative performance. The overall grade in the course is derived from the cumulative performance according to the following table.

9. Course grading scale (optional)

Cumulative Performance	Grade
>93%	A
>90% - 93%	A-
>87% - 90%	B+
>83% - 87%	B
>80% - 83%	B-
>75% - 80%	C+
>65% - 75%	C
>60% - 65%	C-
>57% - 60%	D+
>53% - 57%	D
>50% - 53%	D-
<50%	F

10. Policy on makeup 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 (if applicable)

This course will include 3 intensive field/scuba components in South Florida and the Florida Keys.

12. Classroom etiquette policy (if applicable)

University policy on the use of electronic devices states: "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 (ADA), students who require special accommodation due to a disability to properly execute coursework must register with the Office for Student Accessibility Services (SAS) - in Boca Raton, SU 133 (561- 297- 3880) – and follow all SAS procedures

14. Honor Code policy statement

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty, including cheating and plagiarism, 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/regulations/chapter4/4.001_Honor_Code.pdf.

15. Required texts/readings

Humann, N, and P. Deloach. 2013. Reef Coral Identification: Florida, Caribbean, Bahamas, Third Edition. New World Publications, Inc. 276 pp. ISBN-13: 9781878348548

16. Supplementary/recommended readings (optional)

Humann, N, and P. Deloach. 2013. The Reef Set, Third Edition. New World Publications, Inc. 1250 pp. ISBN-13: 9781878348333 (note that the three volume set includes Reef Coral Identification)

Selected articles to be provided from the journals *Coral Reefs*, *Marine Ecology Progress Series*, etc.

17. Course topical outline

Topic	Assignments
1. What is coral? What is not?	Humann 14-21
2. Major coral families	Budd et al. (pdf)
3. Branching corals	Humann 86-109
4. Boulder corals	Humann 109-135
5. Plating and encrusting corals	Humann 135-155
6. Soft corals	Humann 22-85
7. Underwater survey techniques- theory and design	CREMP (pdf)

8.	Underwater survey techniques- simple habitats	Draft survey protocol
9.	Underwater survey techniques- complex habitats	Protocol critiques
10.	Underwater imaging technology and techniques	Gietler (pdf)
11.	Field surveys- back and mid-channel reefs	Final survey protocol
12.	Field surveys- reef crest	Data entry
13.	Field surveys- fore reef	Data entry
14.	Image editing and CPCe	Kohler et al. (pdf)
15.	Data curation and analysis	Data QA/QC
16.	Project presentation	Final project report