

# FLORIDA ATLANTIC UNIVERSITY™

## Graduate Programs—NEW COURSE PROPOSAL<sup>1</sup>

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

DEPARTMENT **BIOLOGICAL SCIENCES**

COLLEGE **CESCOS**

RECOMMENDED COURSE IDENTIFICATION (TO OBTAIN A COURSE NUMBER, CONTACT [ERUDOLPH@FAU.EDU](mailto:ERUDOLPH@FAU.EDU))

PREFIX BSC COURSE NUMBER 6316 LAB CODE (IF APPROPRIATE, L OR C) \_\_\_\_\_  
 L = LAB COURSE; C = COMBINED LECTURE/LAB

COMPLETE COURSE TITLE: **MARINE CONSERVATION BIOLOGY**

### EFFECTIVE DATE

(first term course will be offered)

CREDITS<sup>2</sup> **3**

TEXTBOOK INFORMATION **MARINE CONSERVATION BIOLOGY** EDITED BY ELLIOTT A. NORSE AND LARRY B. CROWDER (PINEAPPLE PRESS) ISBN-13: 978-1559636629 ISBN-10: 1559636629  
 & CONTEMPORARY PEER-REVIEWED LITERATURE

GRADING (SELECT ONLY ONE GRADING OPTION): REGULAR X SATISFACTORY/UNSATISFACTORY \_\_\_\_\_

#### COURSE DESCRIPTION, NO MORE THAN THREE LINES:

**MARINE CONSERVATION BIOLOGY IS AN EMERGING DISCIPLINE THAT DRAWS TOGETHER THE FUNDAMENTALS OF BIOLOGY, MARINE SCIENCE, CONSERVATION AND MANAGEMENT, ETHICS, AND POLICY. STUDENTS GATHER AND INTEGRATE INFORMATION FROM DIVERSE AREAS TO UNDERSTAND THREATS TO MARINE BIODIVERSITY AND CONTEMPORARY TECHNIQUES USED TO ADDRESS MARINE CONSERVATION PROBLEMS.**

PREREQUISITES\* *Graduate standing or permission of instructor*

COREQUISITES\* **NONE**

REGISTRATION CONTROLS (MAJOR, COLLEGE, LEVEL)\*

**MAJOR: BIOLOGICAL SCIENCES, INTEGRATIVE BIOLOGY, ENVIRONMENTAL SCIENCES, OR PERMISSION OF INSTRUCTOR COLLEGE: CESCOS, LEVEL: GRADUATE 6000 LEVEL**

\* PREREQUISITES, COREQUISITES AND REGISTRATION CONTROLS WILL BE ENFORCED FOR ALL COURSE SECTIONS.

MINIMUM QUALIFICATIONS NEEDED TO TEACH THIS COURSE: **I MEET AND EXCEED THE MINIMUM QUALIFICATION TO TEACH THIS COURSE.**

**MEMBER OF THE GRADUATE FACULTY OF FAU AND HAS A TERMINAL DEGREE IN THE SUBJECT AREA (OR A CLOSELY RELATED FIELD).**

Faculty contact, email and complete phone number:

**JEANETTE WYNEKEN,**  
[JWYNEKEN@FAU.EDU](mailto:JWYNEKEN@FAU.EDU)  
 561-297-0146

Please consult and list departments that might be affected by the new course and attach comments.<sup>3</sup> **THIS CLASS IS RELEVANT TO THE ENVIRONMENTAL SCIENCES PROGRAM (WHICH IS MULTIDISCIPLINARY); ADMINISTRATIVELY, IT IS HOUSED WITHIN BIOLOGICAL SCIENCES.**

Approved by:

Department Chair: *[Signature]*

College Curriculum Chair: *[Signature]*

College Dean: Dr. Charles Roberts

UGPC Chair: Wm R. McDaniel

Graduate College Dean: *[Signature]*

UFS President: \_\_\_\_\_

Provost: \_\_\_\_\_

Date:

10-9-16

10/21/16

10/21/2016

11-9-2016

11-14-16

1. Syllabus must be attached; see guidelines for requirements: [www.fau.edu/provost/files/course\\_syllabus.2011.pdf](http://www.fau.edu/provost/files/course_syllabus.2011.pdf)

2. Review Provost Memorandum: **Definition of a Credit Hour** [www.fau.edu/provost/files/Definition\\_Credit\\_Hour\\_Memo\\_2012.pdf](http://www.fau.edu/provost/files/Definition_Credit_Hour_Memo_2012.pdf)

3. Consent from affected departments (attach if necessary)

Email this form and syllabus to [UGPC@fau.edu](mailto:UGPC@fau.edu) one week before the University Graduate Programs Committee meeting.



# Marine Conservation Biology BSC 6316 Spring 2017 3 credit hr

Wednesdays 10 AM – 12:50 PM

Boca campus: TBD CRN TBD

Davie campus: DW 421 CRN TBD

HBOI: TBD CRN TBD

## Dr. Jeanette Wyneken

Sanson Science (SC), Rm 266 Phone: 561 297-0146 Email: [jwyneken@fau.edu](mailto:jwyneken@fau.edu)

Office hours: Wednesdays 1-2:50 PM or by appointment

**Course Description and objective.** Marine Conservation Biology is an emerging discipline that draws together the fundamentals of biology, conservation studies, marine science, management and policy.

Few fields are as relevant to Florida's environment as Marine Conservation Biology. The span of the field goes well beyond Florida and likely will require students to think in new ways as different fields are brought together.

**Text and Instruction Style.** The required text for the course is *Marine Conservation Biology* edited by Elliott A. Norse and Larry B. Crowder. The format of the course is presentation and discussion of material in chapters, supplemented by current supporting materials from the primary literature, occasional visiting speakers and assigned online lectures from experts in the field. You are to come to class having read the assigned material for the week. The presenter will give a lecture on the topic that goes beyond your reading and will lead a discussion. One term paper is required on a mutually agreed upon topic. The course is broadcast among the Boca Raton, Davie and HBOI campuses, with participation by students at all three locations.

Date	Topic and Homework Assignments	Leader
Jan 11	<b>Course Introduction and Organization (Forward &amp; Preface)</b>	<b>Wyneken</b>
Jan 18	<b>Part 1 Introduction to the field/ populations, Chapters 1-4</b>	<b>Wyneken</b>
Jan 25	<b>Extinction Risks/ Behavioral Implications, Chapters 5-6</b>	Student lecture
Feb 1	<b>Biodiversity/Multiple Stressors Chapter 7, 10, TED lectures</b>	<b>(guest lecture)</b>
Feb 8	<b>Bioinvasions/Disease &amp; Conservation Biology, Chapters 8-9</b>	Student lecture
Feb 15	<b>Fisheries, Chapters 11-12</b>	Student lecture
Feb 22	<b>Fisheries and demographics, Chapters 13-14</b>	<b>(guest lecture)</b>
Mar 1	<b>Sustainable fisheries, Marine Protected Areas, Chapters 15-17</b>	Student lecture
<b>Mar 8</b>	<b>Spring Break</b>	No class
Mar 15	<b>Place-Based Ecosys. Mgmt/pop. structure Chapters 19-18</b>	Student lecture
Mar 22	<b>The Human Element Part 5 Management Issues Chapters 20-22</b>	Student lecture
Mar 29	<b>Ecosystem Recovery Chapter 23</b>	Student lecture
April 5	<b>Sea Ethic Chapter 24, Zoning the seas Chapter 25</b>	Student lecture
April 12	<b>Term Papers Due (electronic form); individuals select &amp; justify Marine Earth Day (April 22) activity</b>	Student Disc
April 19	<b>Marine Earth Day (April 22) activity, documentation due 24/04/17</b>	Earth Day Activity
April 26	<b>Reading Day</b>	
May 3	<b>Final Exam period (Term Papers returned), panel debate</b>	<b>Wyneken</b>

**Course Evaluation Method:**

**Attendance** 25% of grade: Attendance is required. Students taking the course for credit are expected to attend all sessions. University excuses (documented illness, etc.) as described in the student handbook are required for missed classes. Required absences due to research, professional meetings, etc. are permitted on a limited basis but only when arranged in advance with the professor. Material missed in excused absences must be made up. Reasonable accommodation will also be made for students participating in a religious observance

**Participation** 25% of grade: Students are expected to have read the assigned chapters prior to attending class. Some chapters will cover material that is new and challenging. Students are expected to research the topics and come prepared to discuss the topics and help the class gain understanding. The last class will be a panel debate of a contemporary topic, selected by the class.

**Presentation** 25% of grade: Students are responsible for developing presentations around each topic (sometimes a topic spans one chapter, sometimes more than one). Each student will develop a summary of the chapter and relevant new material and lead the class discussion around key topics and a selected paper. The class will critically evaluate each lecture and discussion by confidential means. The class evaluations will count for half of the participation and presentation grades.

**Term paper:** 25% of grade Each student will write an 8-10 page term paper (plus literature cited) critically reviewing a topic in Marine Conservation Biology. The topics will be agreed upon by the student and the instructor no later than 4<sup>th</sup> class. A scoring rubric will be provided prior to the due date for the term paper.

Maximum possible points will be normalized to a 100% scale. Letter grades are assigned based on the following scale. A 90% and above; B 80-89%, C 70-79%, D 60-69%. Plus and minus grades will be based on grade distributions within the major grade categories using FAU guidelines.

**Class Conduct:** It is expected that all class members will exhibit respectful and courteous behavior in their words and actions during class sessions and in all interactions with other students, faculty, staff and graduate teaching assistants. Examples of respectful behavior include:

- Turn off cell phones when entering the classroom.
- Use computers/tablets only for lecture-related material
- Put away other reading materials unrelated to class.
- Arrive in the classroom on time so that the class session is not interrupted by tardiness.

**Disability Policy Statement:** In compliance with the Americans with Disabilities Act (ADA), students who require reasonable accommodations due to a disability to properly execute coursework must register with the Office of Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses- Boca Raton, Davie, and Jupiter, however, disability services are available for students on all campuses.

**Code of Academic Integrity:** 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.

<http://www.fau.edu/ctl/4.001> Code of Academic Integrity.pdf For students needing additional information, the following FAU link is helpful:

<http://www.fau.edu/studentsindistress/academicintegrity.php>



Jeanette Wyneken &lt;wynekenatwork@gmail.com&gt;

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**Graduate course in Marine Conservation Biology**

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Dale Gawlik <dgawlik@fau.edu>  
To: Jeanette Wyneken <jwyneken@fau.edu>  
Cc: Jay Baldwin <jbaldwin@fau.edu>

Mon, Oct 3, 2016 at 1:42 PM

Hi Jeanette,

As Director of Environmental Science, I believe that this course would be a nice addition to the Env. Sci. Program Curriculum. As the instructor of the closely related graduate course, Conservation Biology 6045, I see no conflict and welcome this new course in the conservation arena.

Dale

[Quoted text hidden]

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Dr. Dale E. Gawlik, Director  
Environmental Science Program  
Professor of Biological Sciences  
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[www.science.fau.edu/biology/gawliklab](http://www.science.fau.edu/biology/gawliklab)  
[www.science.fau.edu/biology/envirosci](http://www.science.fau.edu/biology/envirosci)



Jeanette Wyneken &lt;wynekenatwork@gmail.com&gt;

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**Graduate course in Marine Conservation Biology**

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**John Baldwin** <jbaldwin@fau.edu>

Mon, Oct 3, 2016 at 9:15 AM

To: Jeanette Wyneken &lt;jwyneken@fau.edu&gt;, Dale Gawlik &lt;dgawlik@fau.edu&gt;

I am fine with listing Seminar in Ichthyology as a recommended background course. We should be sure to schedule these courses so that they don't conflict.

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John D. Baldwin, Ph.D.

Professor

Department of Biological Sciences

Florida Atlantic University

Office: 954-236-1151

Email: [jbaldwin@fau.edu](mailto:jbaldwin@fau.edu)

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**From:** <wynekenatwork@gmail.com> on behalf of Jeanette Wyneken <jwyneken@fau.edu>**Date:** Sunday, October 2, 2016 9:18 PM**To:** John Baldwin <jbaldwin@fau.edu>, Dale Gawlik <dgawlik@fau.edu>**Subject:** Re: Graduate course in Marine Conservation Biology

[Quoted text hidden]