

 <b>FLORIDA ATLANTIC UNIVERSITY</b>	<b>COURSE CHANGE REQUEST</b> <b>Undergraduate Programs</b>		UUPC Approval <u>1/29/24</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department NA  College Honors		
<b>Current Course Prefix and Number</b> OCE 2001		<b>Current Course Title</b> Honors Introduction to Oceanography	
<i>Syllabus must be attached for ANY changes to current course details. See <a href="#">Template</a>. Please consult and list departments that may be affected by the changes; attach documentation.</i>			
<b>Change title to:</b>  <b>Change prefix</b> From: _____ To: _____  <b>Change course number</b> From: _____ To: _____  <b>Change credits*</b> From: _____ To: _____  <b>Change grading</b> From: _____ To: _____  <b>Change WAC/Gordon Rule status**</b> Add <input type="checkbox"/> Remove <input type="checkbox"/>  <b>Change General Education Requirements***</b> Add <input type="checkbox"/> Remove <input type="checkbox"/>  <small>*See <a href="#">Definition of a Credit Hour</a>.</small> <small>**WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See <a href="#">WAC Guidelines</a>.</small> <small>***GE criteria must be indicated in syllabus and approval attached to this form. See <a href="#">Intellectual Foundations Guidelines</a>.</small>		<b>Change description to:</b> Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the ocean system, composed of an atmosphere, hydrosphere, lithosphere, and biosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize oceanic connections with humanity.  <b>Change prerequisites/minimum grades to:</b>   <b>Change corequisites to:</b>   <b>Change registration controls to:</b>  Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).	
<b>Effective Term/Year for Changes:</b> Summer 2024		<b>Terminate course? Effective Term/Year for Termination:</b>	
<b>Faculty Contact/Email/Phone</b> Julie Earles jearles@fau.edu 561 799-8673			
<b>Approved by</b> Department Chair <u>William O'Brien</u> College Curriculum Chair <u>Rachel Corr</u> College Dean <u>Julie Earles</u> UUPC Chair <u>Korey Sorge</u> Undergraduate Studies Dean <u>Dan Meeroff</u> UFS President _____ Provost _____		<b>Date</b> 1/23/24 1/23/24 1/23/24 1/29/24 1/29/24 _____ _____	

Email this form and syllabus to [mjenning@fau.edu](mailto:mjenning@fau.edu) seven business days before the UUPC meeting.



**OCE 2001**  
**HONORS INTRODUCTION TO OCEANOGRAPHY**

**Days & Times (Room)**

**3 credits**

**Semester**

Instructor

Office: TBA

Office hours: TBA

Telephone: TBA

Email: TBA

**Course Description:**

Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the ocean system, composed of an atmosphere, hydrosphere, lithosphere, and biosphere, through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize oceanic connections with humanity.

**Instructional Method:**

This class will consist of in-person biweekly presentations by the instructor. Lecture notes will be posted online in Canvas. Exams and quizzes will either be in-class or online.

**Prerequisites:**

No prerequisites

**Learning Outcomes:**

1. Students will use critical thinking to recognize the rigorous standards of scientific theories.
2. Students will analyze and synthesize oceanographic data to draw scientifically valid conclusions.
3. Students will recognize the different time scales associated with different ocean processes.
4. Students will effectively communicate the importance of the interactions between humans and the ocean realm.
5. Students will apply their understanding of these oceanographic principles to various marine issues.

**Course Objectives:**

The primary objective of this course is to introduce the students to the fundamental concepts of introductory oceanography. After completion of this course, students will be able to:

- Understand the role and scientific importance of the history of oceanography.
- Understand the fundamentals of geological oceanography, including: the role of plate tectonics in the formation of the oceans, marine provinces and the structure of the ocean basins, the major structures on the seafloor, and the different types and sources of marine sediments.
- Understand basic concepts in chemical oceanography, including the properties of seawater.
- Understand the fundamentals of physical oceanography, including: interactions between the atmosphere and the oceans, waves, tides, and ocean currents.
- Understand the diverse processes that shape beaches and the coastal oceans.
- Understand basic concepts of biological oceanography, including: the importance of biological productivity for ocean life, and how ocean chemistry and the physical properties of water affect the diversity and distribution of marine organisms in the world ocean.

- Understand the diversity of human impacts on the ocean, including: marine pollution, ocean acidification, and the effects of climate change on both abiotic and biotic ocean.

**Honors:** Students will learn critical thinking and communication skills as they debate issues in class. They will develop a deep understanding of oceanography as they work with other students and the professor. Homework assignments and a course project will help students develop research skills.

**Required Readings:**

The required text for this course is: Trujillo, A. P., & Thurman, H. V. (2019). *Essentials of Oceanography* (13<sup>th</sup> edition). Pearson. Earlier editions are acceptable and may be cheaper. Additional assigned readings will be posted in Canvas.

**Course Evaluation Method:**

Student grades will be based on a combination of exams, quizzes, homework assignments, and a semester project. The breakdown of the graded course components is listed in the following table.

ASSIGNMENT	POINTS	% TOTAL GRADE
Quizzes	150	15.00
Exams	500	50.00
Homework Assignments	250	25.00
Semester Project	100	10.00
<b>TOTAL</b>	<b>1000 points</b>	<b>100%</b>

**Course Grading Scale**

The FAU grading scheme is listed below:

Grading system			
A = 100 – 93	B = 87 – 83	C = 77 – 73	D = 66 – 63
A- = 92 – 90	B- = 82 – 80	C- = 72 – 70	D- = 62 – 60
B+ = 89 – 88	C+ = 79 – 78	D+ = 69 – 67	F = 59 – 0

NOTE: The minimum grade required to pass the course is a “D-”, the minimum grade to count this course for a concentration is a “C.”

**Policy on Late Work and Incompletes**

Assignments must be turned in on time. Extensions may only be given at the instructor’s discretion depending on the student’s circumstances. If all work is not completed by the end of the semester, an incomplete may be awarded, but if that is not made up within a year of the end of the course, your grade will be based on the material handed in up to that point.

**Classroom Etiquette Policy**

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.

**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, and the University reserves the right to deal at any time with individual cases of non-attendance. Students are responsible for arranging to make up work missed because of legitimate class

absence, such as illness, family emergencies, military obligation, court-imposed legal obligations, or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances, and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

### **Course Materials and Classroom Debate Policy**

One of the objectives of this course is to facilitate critical thinking and debate around topics, theories, and concepts where disagreement is not only anticipated, but encouraged. The ability to think critically, express your ideas clearly, and respond to the professor and other students civilly are the keystones of the academic experience. In this course, the professor will provide instruction in an objective manner and will remain open to a wide variety of viewpoints, so long as those viewpoints are evidence-based and presented in a respectful way. During class, the professor may take positions and make statements for the sole purpose of accomplishing an academic objective or enhancing the learning environment. Additionally, the adoption of class materials for this course does not imply an endorsement of the full content of those materials or the positions of the authors of those materials. Often the professor will provide materials as a point of departure for critical thinking and debate. Students should keep in mind that the ideas presented or discussed during class may not necessarily reflect the professor's personal beliefs or opinions on the subject matter.

### **Policy on the Recording of Lectures**

Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity.

### **Disability Policy**

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses -- Boca Raton, SU 131 (561-297-3880); in Davie, LA 131 (954-236-1222); in Jupiter and all Northern Campuses, SR 111F (561-799-8585). Disability services are available for students on all campuses. For more information, please visit SAS website at [www.fau.edu/sas/](http://www.fau.edu/sas/).

### **Counseling and Psychological Services (CAPS) Center**

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students with a range of services – individual counseling, support meetings, and psychiatric services, to name a few –

offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

**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](#). All students agree to adhere to the university honor code and the Wilkes Honors College Academic Honor Code available at <https://www.fau.edu/honors/academics/honor-code.php>



**Course Topical Outline:**

A tentative course outline is listed below. The dates for lecture topics, homework assignments, and exams may be changed due to weather events or other unforeseen circumstances.

WEEK	DATE	TOPIC	ASSIGNED READING
1	TBA	Introduction to oceanography; Plate tectonics	Chaps 1 & 2 in <i>Essentials</i>
2	TBA	Marine provinces	Chapter 3 in <i>Essentials</i>
3	TBA	Marine sediments	Chapter 4 in <i>Essentials</i>
4	TBA	Water & seawater	Chapter 5 in <i>Essentials</i>
5	TBA	Air-Sea Interaction	Chapter 6 in <i>Essentials</i>
6	TBA	Ocean circulation	Chapter 7 in <i>Essentials</i>
7	TBA	Waves & water dynamics	Chapter 8 in <i>Essentials</i>
8	TBA	Tides	Chapter 9 in <i>Essentials</i>
9	TBA	Beaches & shoreline processes	Chapter 10 in <i>Essentials</i>
10	TBA	The coastal ocean	Chapter 11 in <i>Essentials</i>
11	TBA	Marine life & the marine environment	Chapter 12 in <i>Essentials</i>
12	TBA	Biological productivity & energy transfer	Chapter 13 in <i>Essentials</i>
13	TBA	Animals of the pelagic environment	Chapter 14 in <i>Essentials</i>
14	TBA	Animals of the benthic environment	Chapter 15 in <i>Essentials</i>
15	TBA	The oceans & climate change	Chapter 16 in <i>Essentials</i>
16	TBA	In-class student presentations	*****