

Class Syllabus dated 01.13

**OCE 1001 – Oceanography  
Spring, 2013**

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**Course Description:** This is a descriptive course introducing basic scientific concepts dealing with the ocean and its coastal margins. The concepts to be covered will include the four academic disciplines of oceanography—geological, chemical, physical and biological oceanography.

**Prerequisites:** MAT 1033, ENC 1101

**On successful completion of this course, students will be able to:**

1. Identify Earth's oceans and their major features on a map of the world. (1,2)
2. Explain plate tectonics and the features of the sea floor including the sediments, rocks and mineral deposits. (1, 2, 3)
3. Explain the chemical and physical properties of seawater. (1, 2, 4)
4. Evaluate the coupling effects of ocean and atmosphere. (1, 2, 3, 4)
5. Distinguish types of ocean currents and the causes and nature of tides and waves (1, 2, 3, 4)
6. Identify representative marine ecosystems, the importance of their energy and nutrient flows and the results of human impacts on these ecosystems. (1, 2, 3, 4)

*This course also helps develop the general education skill of (1) critical/creative thinking; (2) communication; (3) cultural literacy; and (4) information and technical literacy.*

***Recommended Text:***

*Introductory Oceanography*, Thurman & Trujillo, 2004, 10<sup>th</sup> Edition

**Important Dates**

***Project Article Due Date:*** Week of January 28<sup>th</sup>

***Presentation order will be posted on the class website.***

***ROV lab:*** week of March 25<sup>th</sup>

***Final Exam:*** Week of May 6<sup>th</sup>, Day of class

***Students with Disabilities:***

If you need academic accommodations, such as private testing, interpreters, note takers, etc., you must provide your instructor with verification from Student Disability Services (SDS). Please make an appointment to meet with me as soon as possible to discuss these accommodations.

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For information about accommodations or services that may be available for students with a disability, please contact the SDS office in building 100, room 111-113, or call (386) 506-3056 or (386) 506-8131, ext. 3807.

**Please bring your calculator to class.**

***Cell phones MAY NOT be used as calculators***

***Calculators may not be shared***

**Guidelines and Classroom Etiquette:**

- ***Withdrawals*** from the class ***must be completed by the student***
- **Cell phones are to be turned off and stored away**
- Students are responsible for **ALL** material covered in class whether here or not
- **Students are responsible for reviewing PowerPoint lectures on their own time** and must be prepared to discuss the information and ask any questions regarding these lectures during class time. **TAKE RESPONSIBILITY FOR YOUR OWN LEARNING—HAVE THE COURAGE TO ASK QUESTIONS IN CLASS!!** Lectures can be found on the class website. **A weekly exam (WE) will be given each week at the end of the review period.**
- **Cheating is a fear-based action made by an unprepared student** Remember—every time you choose an action **YOU ARE RESPONSIBLE** for creating a little piece of the world we live in. **So--Think before you act!** Cheating or plagiarism of any form will not be tolerated. Any who chose to cheat on a quiz, exam or student project will receive a zero on the test, quiz or student project. A second infraction will result in permanent removal from the class. A complete review of the Academic Integrity Policy for Daytona State College can be viewed at [http://www.daytonastate.edu/student\\_dev/studentresponsibility.html](http://www.daytonastate.edu/student_dev/studentresponsibility.html)
- **PLEASE BE FORWARDED:**
  - **I will not calculate mid-semester grades for you.** They are all posted online for your immediate access.
  - **I will not curve your final grade.** You will have the opportunity to accumulate bonus points—take advantage of this!!
  - **I frown upon any statements regarding your mathematical deficiencies and will consider them to be a mere excuse to fail or at the very least as a refusal to better/challenge yourself!**

**Course Evaluation:**

- **A WEEKLY EXAM (WE):** ~13 WEs counting a total of 40% of your grade. Most WEs will come from the Focus Terms and Questions listed at the beginning of each PowerPoint lecture.
- **COMPREHENSIVE FINAL EXAM:** counting 35% of your grade. It will be based on Focus Terms and Questions and WEs.
- **SEMESTER PROJECT:** counting 25% of your total grade. The project will be based on a current newspaper/online article dealing with an ocean topic. The goal of the project is to help students become aware of “ocean issues” and their impact to the local/global environment.
- **No makeup exams or quizzes!**

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- No makeup Weekly Exams will be given if the student misses class **or if the student is tardy.** Your lowest WE grade will be dropped at the end of the course.
- At least 65% of coursework must be completed to request an *Incomplete* in the course

**Course Schedule:**

<b>WEEK OF:</b>	<b>COURSE TOPIC</b>	<b>COMMENTS</b>
<b>Jan 14</b>	<b>Intro to Oceanography</b>	<b>Create Project Teams</b>
<b>21</b>	<b>Introduction, Earth's Origin and Cont. Drift</b>	<b>WE1</b>
<b>28</b>	<b>Plate Tectonics</b>	<b>WE2; Article Deadline</b>
<b>Feb. 4</b>	<b>Sediments</b>	<b>WE3; sediment mini-lab</b>
<b>11</b>	<b>Seawater BRING CALCULATOR</b>	<b>WE4; seawater mini-lab</b>
<b>18</b>	<b>Ocean Circulation; Hurricane Killers</b>	<b>WE5;</b>
<b>25</b>	<b>Global Warming; Falling Doctrine</b>	<b>WE6; *student present.</b>
<b>March 4</b>	<b>Waves and Tides BRING CALC.</b>	<b>WE7; *student present.</b>
<b>18</b>	<b>Introduction to ROVs</b>	<b>WE8; *student present.</b>
<b>25</b>	<b>ROV lab: DSC Campus pool NSB YMCA pool Deland YMCA pool</b>	<b>WE9</b>
<b>April 1</b>	<b>Shorelines</b>	<b>WE10; *student present.</b>
<b>8</b>	<b>Marine Habitat and Benthic Organisms; Filter Feeders and the Scientific Method</b>	<b>WE11: *student present.</b>
<b>15</b>	<b>Pelagic Organisms</b>	<b>WE12; *student present.</b>
<b>22</b>	<b>Ocean resources BRING CALCULATOR!!</b>	<b>WE13; *student present.; Sharkwater Video</b>
<b>29</b>	<b>Final Review</b>	<b>Student presentations*</b>
<b>May 6</b>	<b>Comprehensive Final Exam BRING CALCULATOR!!</b>	

**\*A TEAM'S PRESENTATION MAY BE DELAYED DUE TO CLASS TIME CONSTRAINTS.**

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