

Introduction to Oceanography
OCE 1001 - Fall 2007 Section 0334

Instructor: Dr. Andrew Zimmerman
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Lectures: Time: Mon.Wed.Fri. period 4 (10:40 – 11:30) Location: Williamson Hall 100

Office Hours: Monday 3:00 – 4:00 (or by appointment)

Required Materials:

- 1) **Textbook:** *Essentials of Oceanography* (3rd or any edition), Author: Garrison \$100 new, \$75 used
- 2) **Radio Frequency (RF) Response Card** (33\$ new alone. Be careful, used ones may not be RF).

BEST BET – PACKAGE DEAL (Garrison + RF Card + GIS GUIDE that we won't use)\$78 new \$58 used

***You will need to register your RF Card six digit code # on the class website by Sep. 4. Use begins, hopefully, Sep. 5.**

Teaching Assistants:

Derrick Newkirk, email: drnewk@ufl.edu Off: WM 258
Off Hours: Wed. 9:30-10:30 pm (or by appointment)

Course Website:

On WebCT VISTA Go to the Learning Support Systems homepage [<http://lss.at.ufl.edu/>] and click on the e-Learning Systems link. The course site provides access to announcements, downloadable lecture notes/outlines (NOT COMPLETE LECTURES), etc. You are responsible for checking this site for announcements and to see that your Response Points and all grades are being correctly recorded. Do not send me e-mail through this site. I don't check it there (use azimmer@ufl.edu).

You must have an active GatorLink ID to access Vista. If not, go to the GatorLink website [<http://gatorlink.ufl.edu>] or to the CIRCA Help Desk: CSE520D, 392-HELP for assistance.

Grading:

3 In-class Exams	15%, 20%, 25% for Exam 1, 2, 3
In-class Exercises	10% total
In-class Response Points	30% total

Final letter grade:

A = >90%, B+ = 87-90, B = 80-87, C+ = 77-80, C = 70-77, D+ = 67-70, D = 60-67, E = uh oh

Exams:

There will be three in-class exams and no final during finals period. Everything that occurs associated with the class including material covered in lecture, textbook readings and exercises, is all fair game. However, the focus will be on material discussed in lecture. Exam material is cumulative but focus on most recent material. Makeups for exams will only be given by pre-arrangement (before the exam) and/or under extraordinary circumstances.

1 st in-class exam	Mon., Sep. 24
2 nd in-class exam	Fri., Oct. 26
3rd in-class exam	Wed., Dec. 5

Exam grades will be curved using a linear method (<http://www.amherst.edu/it/software/excel/excel-grading/excel-grades/> for details) such that the class median will be 82%. So more than half the class will get A's or B's on exams. Good huh? Therefore, you cannot say 'the exam was too hard'.

As 40% of your grade is based on in-class material, even if you are not a great exam-taker, you can do well just by attending (physically and mentally) and keeping up with readings and activities. It is your responsibility to check and make sure your grades and RC points, which will be posted on VISTA weekly, are being recorded correctly. Changes will not be made in points awarded more than 1 week earlier.

In Class Exercises

Periodically, there will be In-Class Exercises. Sometimes they will be completed during the class period and sometimes they will be due the following class period. If you are unavoidably absent from class one day, it is your responsibility to find out if you missed an exercise and ask for permission to make it up. [Missed in-class exercises or late homeworks will only be accepted with a doctor's note, police accident report, court decree etc.]. Assigned exercises must be turned in at the instructed time and will **not** be accepted late.

You may work in groups while doing the assignment. Although you are working in a group, you will still need to turn in individual work. This means that your group can all have the same general ideas, but each person should present these ideas in their own words.

In class Attendance and Responses:

For most questions asked during class using the response system, 3 points will be awarded for correct answers and 2 point for wrong answers. So, of course, you should guess if necessary. The point is to participate and be in class, mentally. A non-answer, whether because of absence, tardiness, forgetting to bring the Response Card, a non-working RC, or non-attentiveness, will receive no points...**no exception**. RC points cannot be made up, even in the case of excused absence. I recommend you purchase a spare set of batteries before you need them! Students caught possessing more than one Response Card will lose 20 Response points (along with the RC owner). Don't do it!

There will be about 300 RC points possible during the semester. I will give you 50 free RC points. This means you can miss class, forget your clicker etc. about 5 times without penalization.

Extra Credit

You will have the opportunity to get extra credit points (4 final grade points possible) by visiting the ocean and making scientific observations. Can be best be done anytime in November such as over Thanksgiving. I will give you details later. But, it won't be easy. Due by Nov. 27.

Notes

Skeleton notes for each lecture will be posted on the class website, usually, at least one day before the lecture. Keep in mind that these are NOT complete notes. I recommend taking your notes on top of these.

Study advice:

Everyone has his or her own study techniques. But here's my recommendation. The more frequently you are exposed to the material, the more likely you are to grasp the concepts and ideas presented. So I recommend at least skimming the designated reading before lecture and taking many notes during lecture. After class, really read the text focusing on the material covered in lecture and concentrating

on figures and illustrations. This technique will enable you to come in the next day with good questions and points that need clarification for you.

It is also not my intention that you be forced to memorize many facts. Instead, I think you can succeed by being very familiar with the visual pictures (figures shown in lecture or textbook). If you really understand the pictures, then you really understand the concepts.

The questions asked during class via Response System, are designed to be similar to those that appear on exams. So make notes of the questions and answers.

Attend pre-exam review session with a list of questions for me to answer. Use the office hours provided for you to ask questions or just to come in and chat.

Miscellaneous:

This is a large class, so small disturbances rapidly multiply into large disturbances. Creating a disturbance is rude to your classmates and to me. I consider the following to be rude:

- Forgetting to turn off your cell-phone! If your cell rings during class, I reserve the right to embarrass you mercilessly.
- IM-ing i-podding or any fiddling with such toys, etc.
- Entering the class late or leaving early. If you are more than 10 minutes late, I would suggest you do not enter. Leaving your seat before class ends, even to go to the bathroom, should be an extremely rare occurrence (i.e. should not happen). Make prior arrangement with me in the event of an extenuating circumstance.
- Talking with other students during lectures. If you have questions during the lecture please address them to me. If something is not clear to you, chances are others have questions as well. Your comments and feedback are welcome.
- Reading the paper during class. The turning of pages is distracting to others.

We will follow standard UF policies on plagiarism and cheating: <http://www.dso.ufl.edu/stg/>

Be responsible for your own education. If you miss a class, get the notes from a colleague before the next class. Ask questions and get involved in class discussions. Attend office hours. Your participation and eagerness to learn will be used to aid final grade determination in borderline situations.

Introduction to Oceanography OCE 1001 – Fall 2007
Prof. Andrew Zimmerman - Tentative Schedule

<u>Week</u>	<u>Date</u>	<u>Topic</u>	<u>Reading</u>
		Background	
	Aug 24	Introduction to Course and Topic	
1	Aug 27	History and Methods of Oceanography	Ch 2
	Aug 29	History and Methods of Oceanography	Appendix III, IV
	Aug 31	Origins of Earth and Oceans	Ch 1
2	Sep. 3	No class-Labor Day	
	Sep. 5	Origins of Earth and Oceans	
Marine Geology			
	Sep. 7	Plate Tectonics	Ch 3
3	Sep 10	Plate Tectonics	
	Sep 12	Plate Tectonics	
	Sep 14	Physiography of the Seafloor	Ch 4
4	Sep 17	Physiography of the Seafloor	
	Sep 19	Sediments	Ch 5
	Sep 21	Sediments	
5	Sep 24	1st Hourly Exam	
Marine Chemistry			
	Sep 26	Water Chemistry	Ch 6
	Sep 28	Water Chemistry	
Physical Oceanography			
6	Oct 1	Atmospheric Circulation	Ch 7
	Oct 3	Atmospheric Circulation	
	Oct 5	Surface Ocean Circulation	Ch 8
7	Oct 8	Surface Ocean Circulation	
	Oct 10	Surface Ocean Circulation	
	Oct 12	Deep Ocean Circulation	
8	Oct 15	Waves	Ch 9
	Oct 17	Waves	
	Oct 19	Tsunami	
9	Oct 23	Tides	Ch 10
	Oct 24	Tides	

	Oct 26	2nd Hourly Exam	
10	Oct 29	Coasts & Beaches	Ch 11
	Oct 31	Coasts & Beaches	
	Nov 2	No class-Homecoming	
11	Nov 5	Coasts & Beaches	
Biological Oceanography			
	Nov 7	Life in the Ocean	Ch 12
	Nov 9	Life in the Ocean	
12	Nov 12	No class-Veterans Day	
	Nov 14	Life in the Ocean	
	Nov 16	Pelagic Communities	Ch 13
13	Nov 19		
	Nov 21	No class-Thanksgiving Extra Credit Exerc.	
	Nov 23	No class-Thanksgiving Extra Credit Exerc	
14	Nov 26	Pelagic Communities	
	Nov 28	Benthic Communities	Ch. 14
	Nov 30	Benthic Communities	
15	Dec 3	Uses and Abuses	Ch 15
	Dec 5	3rd Hourly Exam	
		NO FINAL DURING EXAM WEEK	