

Elementary Oceanography OCE-1001 Fall 2007
Aug 22nd, 2007

1) Time: TR 2:00-3:15 PM (Section 1 & 5)
TR 3:35-4:50 PM (Section 2)
TR 5:15-6:30 PM (Section 4)

Place: 275 FLH

2) Instructors:	<u>Office</u>	<u>Office Hours</u>	<u>Phone</u>	<u>Email</u>
Prof. Doron Nof	419 (OSB)	MW 2:00-3:00PM	644-2736	nof@ocean.fsu.edu
Prof. Lou St. Laurent	427 (OSB)	T,Th 12:00-1:00PM	644-0846	lous@ocean.fsu.edu
Prof. Joel Kostka	317 (OSB)	T, Th 12:00-1:00PM	645-3334	jkostka@ocean.fsu.edu

Please see item # 17 for email policy.

3) Teaching Assistants:	<u>Office</u>	<u>Email</u>
Steven Lambert	435A (OSB)	lambert@ocean.fsu.edu
James Hooper	444 (OSB)	hooper@ocean.fsu.edu
Mona Behl	417 (OSB)	behl@ocean.fsu.edu
Bryan Rahter	417 (OSB)	rahter@ocean.fsu.edu
Stefan Bourgoïn	503 (OSB)	bourgoïn@ocean.fsu.edu

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4) Text: A review packet available from Target copies (covering professor Nof's material) and *Garrison, Enhanced Essentials of Oceanography 4th edition 2006* (covering professor St. Laurent's and Kostka's material).

5) Course Web Site: FSU blackboard web site.

6) Objectives: To introduce you to the oceans so that you will have a better appreciation for how they work and influence our lives. In addition, this course will provide you with an understanding of the scientific processes and the role of technology in supporting scientific study.

7) Homework Sets: Homework sets will be assigned periodically. They are due on the specified dates and will be returned to you after they have been graded.

8) Quizzes: There will be a 10-15 minutes quiz containing the “question of the day” at the end of *each* lecture. Usually, the quiz will cover the material covered during the preceding class. You are expected to bring an extra sheet of paper on which to write the “Question of the Day” and the answer. You will sign and turn in the sheet to one of the TAs at the end of class.

9) Section Exams: Six Section Exams will be given during the semester, two during each professors section. The 6th exam will be given during the scheduled Final Examination period.

Exam dates:

Exam 1	September 11
Exam 2	September 27
Exam 3	October 15
Exam 4	November 1
Exam 5	November 20
Exam 6	see below

10) Final Exam (6th section exam):

December 14, 2007	Final Exam (Sec. 1 & 5)	3:00 – 5:00PM	275 FLH
December 10, 2007	Final Exam (Sec. 2)	5:30 -7:30PM	275 FLH
December 13, 2007	Final Exam (Sec. 4)	5:30 – 7:30PM	275 FLH

11) Grading Procedure: The homework sets will count as one equivalent exam grade. Together with the 6 section exams (which includes the final exam), this yields 7 possible 100-point scores. After the Final Exam, we will drop your lowest score, and calculate your grade from the remaining 6 scores. In addition, each quiz containing the “Question of the Day” will let you acquire ¼ of an extra credit point--you can acquire a total of six points, as there are 24 classes with quizzes.

12) Make-up exams: Make-up exams will not be offered. If you complete all the homework sets you could skip one exam, as the homework will replace the grade of the missed exam. In other words, if you miss one exam, thus earning a zero score, we would drop this zero and exchange it with the homework grade. This could be any of the six section exams, including the 6th exam given during the final time slot. Namely, if you take all the exams and submit all the homework then we will replace the lowest exam score with the homework grade. If an exam conflicts with your plans to observe a religious holy day, it is your responsibility to make prior arrangements with the instructor. Grades will be posted using the last four digits of your social security number.

13) Grading example: For clarity, here is an example of how the grade is calculated for a hypothetical student. In this example, the student did very well on the homework and reasonably well on the first five section exams that he/she took. He/she also submitted most of the quizzes and decided not to take the final exam. The grade jumped from a B+ to an A- because the student attended most of the classes and turned in most of the quizzes question-of-the-day sheets. Had the student not done the homework, not submitted the quizzes and not taken the final exam, her/his grade would have been 67.8%, which is a definite C.

Details:

Combined Homework Score *95/100*

Exam 1	85/100
Exam 2	90/100
Exam 3	76/100
Exam 4	80/100
Exam 5	76/100
Final Exam	00/100
Exam and Homework Total	502/600=83.7%(B+)
“Quiz- question of the day”	4 (out of 6 possible)
Grade	87.7% (A-)

14) Total Scores (%) Required for each Grade:

>90	A
>86.7	A-
>83.3	B+
>80	B
>73.3	C+
>70	C

15) Attendance: It is to your advantage to attend the lectures since the demos are not included in the text and each lecture will conclude with an extra credit question. Also, each homework set and each exam will include material and math exercises covered in the lectures. Demonstrations will be shown periodically, particularly during Dr. Nof’s section (first five weeks).

16) Class behavior policy: Late arrival, early departure, talking during the lecture, sleeping during the class, answering cell phones, reading newspaper and material unrelated to the class, and packing before the professor completed his lecture, is all considered disruptive and disrespectful.

17) Email: The TAs and professors emails are given above. Please use those emails cautiously, and only if you have a genuine question, not covered in this syllabus and/or not discussed in class. This appears to be a trivial matter but, each year, we get hundreds of email questions whose answers are clearly given here or were clearly discussed in class. With such a large class, we just do not have the manpower to deal with them. We know that it is easier to send an email than to read a four pages syllabus. However, there are approximately 750 students in the class and we simply do not have the manpower to respond to questions already addressed in this syllabus, or questions specifically addressed in class.

When you miss a class, it is your responsibility to find out from your classmates what you missed. Similarly, it is your responsibility to know what material is included in the tests. If you missed the class before the test you will need to find out from your classmates what was discussed in that class.

Finally, in the rare event that you do end up sending an email, please address the TA or the professor appropriately and give your full name in the email.

18) Honor Code: You are bound by the FSU Academic Honor Code as written in the FSU Student Handbook. You have the responsibility to: (1) uphold the highest standards of academic integrity in your work, (2) refuse to tolerate violations of academic integrity in the University community, and (3) foster a high sense of integrity and social responsibility on the part of the University community.

19) Topics to be covered: The course will be taught in three segments. The first segment (physical oceanography) will be taught by Dr. Nof according to the outline given below. (Please note that there is no textbook for this part. Instead, the review packet will be used.)

- 1) Fractal structure of the coastline
- 2) Pressure
- 3) Crossing of the Red-Sea
- 4) Coriolis force
- 5) Circulation of the upper ocean
- 6) Abyssal circulation
- 7) Gulf Stream rings
- 8) El-Nino
- 9) Microstructure of the ocean
- 10) Waves, tides and tsunamis

The first exam will be held on Tuesday the 11th of Sep and the second on Thursday Sep 27th. The first homework set will be given after we finish the 4th topic and the second after we finish the 9th topic.

The second segment (geological oceanography) will be taught by Dr. Lou St Laurent.

<u>Date</u>		<u>Class</u>	<u>Topic</u>	<u>Reading</u>
Oct.	2	11	The Earth's magnetic field	
	4	12	Origin of the Earth and oceans	Chapter 1
	9	13	Plate tectonics	Chapter 3
	11	14	Plate tectonics cont.	Chapter 4
	16	15	Exam 3	
	18	16	Coasts	Chapter 11
	23	17	Coastal processes	Chapter 11
	25	18	Hydrologic cycle and ice ages	
	30	19	Global warming and sea level	Chapter 15
Nov	1	23	Exam 4	

The third segment (chemistry and biology of the oceans) will be taught by Dr. Joel Kostka.

<u>Date</u>		<u>Class</u>	<u>Topic</u>	<u>Reading</u>
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Nov.	6	Seawater	Chapter 6
	8	Nutritive Elements	Chapter 6
	13	Life in the Ocean	Chapter 12
	15	Pelagic Communities	Chapter 13
	20	Exam 5	
	22	Thanksgiving Holiday	
	27	Plankton	Chapter 13
	29	Benthic Communities	Chapter 14
Dec.	4	Coastal Habitats	Chapters 11, 14
	6	Eutrophication	Chapter 15
	10-14	Final Exam Week	

20) Learning Assistance: The Instructors and the TAs for the course will be available for regular office hours to discuss the lecture material, the homework sets, exam grading, or just to talk about marine science. Extra meetings can be arranged upon request. We are here to help you learn about Oceanography. If you are having trouble with the class, please do not wait until the end of the semester to ask for help.

Please note, however, that the period immediately before and immediately after the class are not usually good times to ask the TA's (or the instructor) questions as they will be busy setting up the demonstrations or taking them apart. The easiest way for you to reach the TA's is to send them an email. If this doesn't answer your question or solve your problem then you can try reaching them by phone or come to their office during office hours. Please understand that there are only five TA's and there are 750 students so that we can only offer limited individual attention. As mentioned, please read this syllabus (as well as the homework problems) very carefully before you approach the TA's with questions about class matters.

21) Reasonable Accommodation: Students with disabilities needing academic accommodations should:
 1. Register with and provide documentation to the Student Disability Resource Center (SDRC);
 2. Bring a letter to the instructor from the SDRC indicating you need academic accommodations. This should be done within the first week of class.

This syllabus and other class materials are available in alternative format upon request.

For more information about services available to FSU students with disabilities, contact the Assistant Dean of Students: Student Disability Resource Center , 108 Student Services Building , Florida State University, Tallahassee, FL 32306-4066, (850) 644-9566.