

FALL 2009  
GEOL 180.00 - INTRODUCTION TO OCEANOGRAPHY  
Monday and Wednesday, 7:00 to 8:15 p.m.  
Hunter West 215  
Prof. K. H. Szekiolda

Office hours: Wednesday, 1:00 to 3:00 p.m.  
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Required textbook: Garrison, T. *Oceanography-CUNY, Hunter College*. Cengage.  
This textbook will be available in the Hunter College Bookstore.

Dynamic processes are responsible for the ocean's influence on our environment and life cycles on Earth. The course introduces the students to the broad field of oceanography and specifically identifies areas which are of concern on a global scale as well as on the local level. The origins of the oceans and life as it exists in today's ocean will be covered. Lectures will include the sub-disciplines in biological, chemical, physical and geological oceanography and concepts that relate to continental margins, ocean basins, sediments and seafloor spreading. Emphasis will be given to the interaction between the circulation of the atmosphere and ocean surface currents, deep ocean circulation, waves and tides. The coastal zone as a fragile environment will be highlighted in connection with dynamic physical and biological processes.

LECTURE	DATE	DAY	TOPIC	READING CHAPTER
1	AUG 31	M	Knowing the Ocean World	1
2	SEPT 2	W	Origins	2
3	9	W	Origins of Life	2
4	14	M	Earth Structure	3
5	16	W	Plate Tectonics	3
6	21	M	Continental Margins	4
7	23	W	Continental Margins	4
8	29	M	Ocean Basins	4
9	30	W	Ocean Basins	4
10	OCT 5	M	<b>Review for Exam 1</b>	
11	7	W	<b>Exam 1</b> Chapters 1, 2, 3 and 4	
12	14	W	Sediments	5
13	19	M	Sediments	5
14	21	W	Water and Ocean Structure	6
15	26	M	Ocean Chemistry	7
16	28	W	<b>Review for Exam 2</b>	
17	NOV 2	M	<b>Exam 2</b> Chapters 5, 6 And 7	
18	4	W	Circulation of the Atmosphere	8
19	9	M	Circulation of the Ocean	9

20	11	W	Circulation of the Ocean	9
21	16	M	Circulation of the Ocean	9
22	18	W	Waves	10
23	23	M	<b>Review for Exam 3</b>	
24	25	W	<b>Exam 3</b> Chapters 8, 9 And 10	
25	30	M	Waves	10
26	DEC 2	W	Tides	11
27	7	M	Coasts	12
28	9	W	<b>Review for Final Exam</b>	12
<b>FINAL</b>	<b>21</b>	<b>M</b>	<b>6:20 to 8:20 p.m.</b>	

Three exams will be given each accounting for 20% of the final grade. The final exam covering material from the whole course will account for 40% of the grade. Makeup exams will not be given except in the most extreme cases and no incomplete (INC) will be considered. Grades are based on Hunter's Grading Systems as outlined in

<<https://orapp2.hunter.cuny.edu:4443/webgrade/regmemo.jsp>>.

Please be advised that plagiarism, dishonesty, or cheating in any portion of the work required for this course will be punished to the full extent allowed according to Hunter College regulations. Hunter College regards acts of academic dishonesty (e.g., plagiarism, cheating on examinations, obtaining unfair advantage, and falsification of records and official documents) as serious offenses against the values of intellectual honesty. The College is committed to enforcing CUNY Policy on Academic Integrity and will pursue cases of academic dishonesty according to the Hunter College Academic Integrity Procedures.