



# OCEANOGRAPHY 115 (ticket #1109)

**3 units**

CS 252	Monday-Thursday 3:00-5:00pm
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Office CS 252 Office hours Monday-Thursday 2:00-3:00pm  
 e-mail okeanos2100@gmail.com  
 twitter Okeanos



Class website: <http://www.glendale.edu/index.aspx?page=5206>

**Textbook:** Tom Garrison: Oceanography: An Invitation to Marine Science  
 (Brooks Cole; 8 ed, 2009: ISBN-10: 049511913X)

Either of these **Tom Garrison: Essentials of Oceanography**  
**(Brooks Cole; 5 ed, 2008: ISBN-10:0495555312)**

You may purchase a hardcopy of the textbook or an electronic version online at:  
<http://instructors.coursesmart.com/9780495555315>

**COURSE DESCRIPTION and OBJECTIVES** Empirical observations and theoretical constructs: examine the physical, chemical, and geological aspects of the oceans and oceanic environment.

Transfer Credit: Interdisciplinary: establish the oceanographic connections that bridge geology, meteorology, ecology, biology, physics, chemistry, economics, and ethics.

Importance of the oceans: why should we care?

## CLASS SCHEDULE

Date	Unit	Reading Assignment (according to Essentials of Oceanography)
M Jan 9	World Geography	Handout
T Jan 10	Origins	Chapter 1: p. 1-21
W Jan 11	History	Chapter 2: p.22-47 and Appendix 4: p. 394-397
Th Jan 12	Water	Chapter 6: p. 120-145
Fr Jan 13	Field Trip	

Sa Jan 14	Field Trip	
M Jan 16	Holiday	
T Jan 17	Tides and Currents	Chapter 10: p. 226-243
W Jan 18	Estuaries	Handout
Th Jan 19	Oceanic tools	Handout
Fr Jan 20	Plate Tectonics and Exam #2	Chapter 3: p.48-75
T Jan 24	Depart GCC	Handout
W Jan 25	Charts	Appendix 4: p. 394-397 and Appendix 5: p. 398-400
Th Jan 26	Bathymetry	Chapter 4: p.76-97
Fr Jan 27	Sediments	Chapter 5: p. 100-119 Chapter 9: p. 198-225
Sa Jan 28	Coasts	Chapter 11: p. 244-269
Su Jan 29	Atmosphere	Chapter 7: p. 146
M Feb 1	Weather and Exam #3	Handout
T Feb 2	Surface Ocean Circulation	Chapter 8: p. 170-197
W Feb 3	Climate Change	Handout
Th Feb 4	Life: Evolution and ocean life	Chapter 12: p. 270-295
F Feb 5	Life: Ocean Ecology	Chapter 13: 296-323 and Chapter 14: p. 324-345
Sa Feb 6	Uses and Abuses of the Ocean and Exam #4	Chapter 15: p.346-360

16 Jan (M) MLK Day

**GRADING**

90-100 A, 89-80 B, 79-70 C, 69-60 D, <60 F. Each exam is worth 100 points with a total of 400 points for all tests.

Your presence and participation will count as 10 points each day. There are 23 days. The total number of points is 230 points.

Field trip assignments are worth 10 points each with a total of 30 points for all three field trips. If you are also taking Oceanography 115, these assignments will count twice.

Field Notebook is worth 100 points. This book should be compact and easy to carry on your boat excursions in Baja. This notebook is meant to be messy and organized your way. It should be written in on a daily basis while in Baja.

Field Journal is worth 100 points. This book should be neat and organized. I suggest you put page numbers, table of contents, and illustrations.

The total number of points in the class is **860 points**.

90% of 860 is **774 points**, 80% of 860 is 688, 70% of 860 is 602, 60% of 860 is 516.

Field trip schedule is as follows:

13 Jan, 1:00pm: California Science Center

14 Jan, 1:00pm: Cabrillo Aquarium

20 Jan, 12:00pm: Aquarium of the Pacific

**POLICY** (as taken from <http://www.glendale.edu/index.aspx?page=2596>)

The following behaviors serve as an operational description of student violations of academic honesty:

1. The student takes or copies answers from another student or source or uses unauthorized materials during a test.
2. The student turns in an assignment (labs, art projects, homework, prewritten or purchased papers, or work downloaded from the Internet) which is not his/her own.
3. The student uses words or ideas which are not his/her own without acknowledgment of the source (plagiarism).
4. The student knowingly deceives an instructor with the intent to improve his/her standing in class.
5. The student submits the same paper or project previously submitted in another class without the permission of the current instructor.
6. The student depends upon tools or assistance prohibited by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments.
7. The student acquires, without permission, tests or other academic materials belonging to a member of the GCC faculty or staff.

If you fail to abide by the policy, you will get an "F" in the class.