

# OCEA 112 – Introduction to Oceanography (8271)

Monday and Wednesday 12:30-1:45pm Room: 101, Bldg 38E

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Office Hours: MW 2-3pm (by request) Room:300A

## Required Text and Materials:

-- Garrison: Oceanography: An Invitation to Marine Science 6e, Thomson, 2006  
ISBN: 978-04951128-8, 0495112860.

-- Grade Master Forms: 27640 (x5); 25420 (x6), notebook, #2 pencils, and ruler.

## Recommended Materials:

Colored pencils, calculator, camera, protractor

## Tentative Lecture Schedule for Spring 2010:

Week	Date	Topic	Chapter	Pages
1	1/25	Introduction: Oceanographic Principles, Methods, and Theories	1	1-39
	1/27	Origins: Earth, Ocean, and Atmosphere, ( <i>Assignment #1 due</i> )	2	40-58
2	2/1	Earth Structure: Plate Motion and Earth's Interior, ( <i>Grade master forms due</i> )	3	59-96, LN
	2/3	Plate Tectonics: Evidence and Driving Forces, <b>Quiz #1, (KTE #1)</b>	3	59-96, LN
3	2/8	Plate Tectonics: Boundaries, Seismic and Volcanic Activity	3	59-96, LN
	2/10	Continental Margins and Ocean Basins	4	97-127
4	2/15	<b>Exam #1</b>	————	————
	2/17	Continental Margins and Ocean Basins, ( <b>KTE #2</b> )	4	97-127
5	2/22	Marine Sediments, <b>Quiz #2</b>	5	128-153
	2/24	Marine Rocks	————	LN
6	3/1	Oceanic Chemistry and Physics	6	154-183
	3/3	Oceanic Chemistry and Physics, ( <b>KTE #3</b> )	6	154-183
7	3/8	Ocean Structure, <b>Quiz #3</b>	6	154-183
	3/10	<b>Exam #2</b>	————	————
8	3/15	Seawater Chemistry	7	184-201
	3/17	Seawater Chemistry/Atmospheric Circulation, ( <b>KTE #4</b> )	7	184-201
9	3/22	Atmospheric Circulation, <b>Quiz #4</b>	8	202-232
	3/24	Ocean Circulation	9	233-263

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10	3/29	*****HOLIDAY*****	_____	_____
	3/31	*****HOLIDAY*****	_____	_____
11	4/5	Waves Dynamics, ( <b>KTE #5</b> )	10	264-296
	4/7	Tsunamis	10	264-296
12	4/12	<b>Exam #3</b>	_____	_____
	4/14	Tides, ( <b>KTE #6</b> ), <i>Quiz #5</i>	11	297-314
13	4/19	Tides	11	297-314
	4/21	Shorelines	12	315-346
14	4/26	Ocean Habitat and Organisms	13	347-378
	4/28	Marine Organisms: Plankton and Nekton, ( <b>KTE #7</b> ), <i>Quiz #6</i>	13	347-378
15	5/3	<b>Exam #4</b>	_____	_____
	5/5	Marine Productivity	14	379-405
16	5/10	Marine Animals and Communities	15,16	406-472
	5/12	Marine Resources, ( <b>KTE #8</b> )	17	473-504
17	5/17	Coral Reefs	LN,12, 16,18	333-336; 460- 461; 521, 523
	5/19	Coral Reefs, <i>Quiz #7</i>	LN,12, 16,18	333-336; 460- 461; 521, 523
18	5/24	<b>FINAL EXAMINATION (11:30-1:30 pm)</b>	_____	_____

**Grading:** Final grades will be determined as follows

Participation and Attendance	10%
Assignments (4)	5%
Key Term Exploration (KTE-8)	15%
Quizzes (6/7)	20%
Exams (4)	40%
Final Examination	10%
<b>TOTAL</b>	<b>100%</b>

<b>A</b>	93.6-100%
<b>A-</b>	89.6-93.5%
<b>B+</b>	87.6-89.5%
<b>B</b>	83.6-87.5%
<b>B-</b>	79.6-83.5%
<b>C+</b>	77.6-79.5%
<b>C</b>	70-77.5%
<b>D</b>	60-69%
<b>F</b>	0-59%

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### **Late work / Makeup work:**

There will be no makeups for assignments, missed quizzes or exams unless prior arrangements have been made. Late assignments will be worth 50% and accepted until one week after their due date.

### **Participation and Attendance Rating:**

Attendance is Mandatory. A student with more than three (3) missed class meetings *may* be dropped from the class. The following describes criteria for the Participation and Attendance rating. The rating given will result in 10% of your final grade.

The individual:

- has done the appropriate reading
- is well-prepared
- arrives on time and stays until the lecture is complete
- provides ideas for answering questions
- has a positive attitude
- is an asset to the class

### **Adding and Dropping Courses is YOUR responsibility**

**No Disturbances will be permitted.** Please respect the rights of others to enjoy a quiet and successful learning environment. If I feel that your behavior is disrupting the class, you will be asked to leave.

*Students with disabilities who may need accommodations in this class are encouraged to notify the instructor and contact Disabled Student Services & Programs (DSS&P) early in the semester so that reasonable accommodations may be implemented as soon as possible. Students may contact DSS&P in person in room 110 or by phone at (619) 644-7112 or (619) 644-7119 (TTY for deaf).*

### **Supervised Tutoring Referral**

Students are referred to enroll in the following supervised tutoring courses if the service indicated will assist them in achieving or reinforcing the learning objectives of this course:

IDS 198, Supervised Tutoring to receive tutoring in general computer applications in the Tech Mall;

English 198W, Supervised Tutoring for assistance in the English Writing Center (Room 70-119); and/or

IDS 198T, Supervised Tutoring to receive one-on-one tutoring in academic subjects in the Tutoring Center (Room 70-229, 644-7387).

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To add any of these courses, students may obtain Add Codes at the Information/Registration Desk in the Tech Mall.

All Supervised Tutoring courses are non-credit/non-fee. However, when a student registers for a supervised tutoring course, and has no other classes, the student will be charged the usual health fee.

### **Student Learning Objectives for this course:**

At the end of this course you should be able to:

- Apply the scientific method to comprehend, interpret, analyze and evaluate oceanographic concepts.
- Relate the distribution and origin of sea floor features and sediments to plate tectonic theory.
- Relate the structure of the water molecule to the chemical and physical properties of the ocean.
- Demonstrate an understanding of the interaction between oceanic and atmospheric circulation.
- Interpret graphical representations of bathymetry, waves, tides, salinity, temperature or pressure.

### **Academic Integrity:**

Cheating and plagiarism (using as one's own ideas writings, materials, or images of someone else without acknowledgement or permission) can result in any one of a variety of sanctions. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment (all of which may lead to a failing grade in the course) to, under certain conditions, suspension or expulsion from a class, program or the college. For further clarification and information on these issues, please consult with your instructor or contact the office of the Associate Dean of Student Affairs.

**\*\*Academic Fraud will not be tolerated.** (see attached statement)

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G R O S S M O N T  
C O L L E G E



# “Academic Fraud”

### Students: Highly Important to Read

The college is an academic community with high standards, and its teaching, learning and service purposes are seriously disrupted and subverted by Academic Fraud. All students at Grossmont College are expected to comply with the institution's high standards of Academic Integrity and avoid instances of dishonesty at all times. Such acts of dishonesty include cheating, plagiarism, fraud, false citations or data, and the fraudulent use of Internet resources.

Students are not to commit Academic Fraud, which is a form of cheating, lying or stealing. It is a serious violation of the Student Code of Conduct, as published in the catalog. The intent of this document is to increase student awareness as to what Academic Fraud is, to provide strategies to avoid the situations, and to explain the consequences of committing academic fraud. The Faculty and Administration expect students to have a responsible and sincere commitment to Academic Integrity during the performance of their instructional activities and completion of assignments or requirements.

Academic Fraud includes, but is not limited to, the following situations:

**\*Plagiarism** is using someone else's ideas or work without proper or complete acknowledgement. Plagiarism encompasses many things and is by far the most common manifestation of Academic Fraud. For example, copying a passage straight from a book into a paper without quoting and explicitly citing the source is plagiarism. In addition, completely rewording someone else's work or ideas and using it as one's own idea is also plagiarism. It is very important that students properly acknowledge all ideas, work, and even distinctive wording that are not their own. Students who are unsure of how or when to properly acknowledge sources are encouraged to consult their instructor.

**\*Cheating** is the copying of any test or quiz question or problem, or work done in a class that is not the student's own work. It also includes giving or receiving unauthorized assistance during an examination whether it was intentional or not. Obtaining or distributing unauthorized information about an exam before it is given is also cheating, as is using inappropriate or unallowable sources of information during an exam. To avoid unintentional copying of work, students should cover their own exams and quizzes, and not leave a test or quiz on the desk where another student may be tempted to look at it.

**\*Multiple Submission** is the use of work previously submitted at this or any other institution to fulfill academic requirements in another class. For example, using a paper from an English 126 Creative Writing class for a Sociology 138 Social Psychology class is academic fraud. Slightly altered work that has been resubmitted is also considered to be fraudulent. With prior permission, some professors may allow students to complete one assignment for two classes. In this case, prior permission from both instructors is absolutely necessary.

**\*False Citation** is falsely citing a source or attributing work to a source from which the referenced material was not obtained. A simple example of this would be footnoting a paragraph and citing a work that was never utilized.

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**\*False Data** is the fabrication or alteration of data to deliberately mislead. For example, changing data to get better experiment results is academic fraud. Instructors and tutors in lab classes will often have strict guidelines for the completion of labs and assignments. Whenever in doubt about what may be considered academic fraud, students should immediately consult with the instructor.

**\*Plagiarism via the Internet** is occurring with more and more frequency, and takes a number of different forms. As should be obvious, purchasing research papers on the Internet and submitting them as a student's own work constitutes a gross case of plagiarism. Cutting and pasting from a website without putting the text being used in quotation marks and/or without properly citing the source also constitutes plagiarism. Posting stolen tests online and/or accessing such tests is cheating. Also students should be aware that while many websites provide reliable information, others may not include well-documented research. Students should be sure to check facts using a variety of different types of resources in order to ensure accuracy.

**\*Intentional Deception** is the submission of false documentation (absence excuse, proof of attendance, volunteer hours, etc.) or falsifying any official college record. A student who misrepresents facts in order to obtain exemptions from course requirements has committed an act of intentional deception and may also be subject to the consequences listed below. It is best for a student to do the work as required in a course or speak to the instructor about circumstances that may cause problems in completing forms correctly or honestly.

Students who engage in Academic Fraud will be subject to authorized penalties at the discretion of the instructor of record in the class. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment to a failing grade in the course at the discretion of the instructor. The instructor may also summarily suspend the student for the class meeting when the infraction occurred as well as the following class meeting.

In addition, Academic Fraud can result in a suspension or expulsion as stipulated by the District's Student Disciplinary Procedures administered by the Vice President of Student Services and Assistant Dean of Student Affairs.

It is worthwhile to note the California Education Code Section 76224(a) states:

*“When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the faculty member of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final.”*

The foregoing language indicates that the instructor has sole and final authority in awarding grades based on his/her determination of the quality of the student's work in the course. Faculty are strongly encouraged to report all students found to be violation of the college standards for academic integrity to the Assistant Dean of Student Affairs.

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**For further clarification and information on these issues, please contact the Assistant Dean of Student Affairs Office in Room 636 or 619-644-7601.**

Thank you to the University of Virginia for allowing Grossmont College to modify its statement on Academic Fraud.