

Cuesta College :: Astronomy 210L :: Fall 2012

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Section 70178 M 3:30-6:20 PM Room 2108 (SLO)
Section 70186 Tu 1:30-4:20 PM Room N2439 (NCC)
Section 70200 F 8:30-11:20 PM Room 2105 (SLO)

Course Policies

This course is a separate laboratory from Astronomy 210 lecture. The prerequisites for this course is a grade of "C" or better in either Math 123, Math 123SI (or an equivalent course); and concurrent enrollment in Astronomy 210 lecture (or completed in a previous semester). Student learning outcomes are organized into six general topics:

- Keep abreast of present-day discoveries and developments in astronomy (current events).
- Develop scientific evidence-based research questions.
- Develop procedures to gather evidence in order to answer research questions.
- Make appropriate evidence-supported conclusions.
- Explain research findings in a report, poster, or presentation.
- Evaluate evidence to determine whether or not it appropriately answers a research question.

Required materials:

- Scientific calculator; must be able to perform simple arithmetic functions (addition/subtraction/multiplication/division), handle scientific (10^x) notation, perform trigonometric and inverse trigonometric functions, logarithmic functions and exponential functions. Appropriate, responsible in-class use of smartphones with scientific calculator applications is permitted.
- Edmund Scientific Star and Planet Locator "starwheel" ([*.html](#)).
- (Optional) Project STAR refracting telescope ([*.html](#)).
- (Optional) Personal laptop computer with wireless networking and internet browser. Appropriate, responsible in-class use is permitted.

No specific astronomy textbook is required, but access to one is encouraged for reference purposes. Web-related resources may also be used to research background information.

Website

Announcements, updates, assignments and worksheets are posted at <http://www.waiferx.com/Physics/> ([*.html](#)).

Contact Information

Dr. Patrick M. Len (sections 30678, 30679, 30680)

office: Room 2308 (SLO), Room N2434 (NCC)

phone: 546-3100, x2693

e-mail: [PML@waiferx.com](mailto:PMLen@waiferx.com)

office hours: MW (SLO) 12:00-1:00 PM

Th (NCC) 1:00-3:00 PM

F (SLO) 11:30 AM-12:30 PM

(Appointments and drop-ins are welcome.)

Course Grading

There is no curve for this course, performance is strictly determined by a 100-point scale.

There are no +/- grades.

0-39 points	F
40-54 points	D
55-69 points	C
70-84 points	B
85-100+ points	A

Academic Responsibilities

Be informed of and to abide by all student policies outlined in the *Cuesta College Catalog*, and deadlines in the *Cuesta College Class Schedule* ([*.html](#)). Contact Disabled Student Program & Services in a timely manner (San Luis Obispo campus: 546-3148; North County campus: 591-6215) regarding arrangements for disability accommodations.

LIFE SCIENCE - SPRING 2013
 (Biology 211) GAS M OR W- 9:30-10:20

SAS Instructor _____
 SAS Code _____ Time _____ Room _____

Week	Date	GAS	A-T Lab	SAS
JANUARY				
NO MONDAY GAS				
1	21- 25	Orientation	lab 1	Orientation & Chapter 1
2	28 –Feb1	Chapter 1 "Science & Biologists"	lab 1 & 2	Chapter 16-19
FEBRUARY				
3	4-8	Chapters 16-19 "Diversity of Life"	lab 2	[1] EXAM Labs 1 & 2 Lab Reports 1 & 2 Due
NO FRIDAY CLASSES				
4	11-15	Chapters 2 & 3 "The Chemistry of Life"	lab 3	Chapters 2-5 Reading 1 Due
NO MONDAY CLASSES				
5	18-22	Chapters 2 & 3 "The Chemistry Of Life"	lab 3 & 4	Chapters 4 & 5
6	25 – Mar 1	Chapters 4 & 5 "The Cell & Its Structure"	lab 4	[2] EXAM Labs 3 & 4 Lab Reports 3 & 4 Due
MARCH				
7	4-8	Chapters 6 & 7 "Energy Transformations"	lab 5	Chapters 6 & 7 Reading 2 Due
8	11-15	Chapters 6 & 7 "Energy Transformations"	lab 5	"Cell and it's cycles" Reading 3 Due
9	18-22	Chapter 10 "Protein synthesis"	lab 6	[3] EXAM Labs 5 & 6 Labs 5 & 6 Due
10	25-29	Chapter 9 & pp,162-167 "Genetics"	lab 7	Chapter 9 Field Trip 1
Due				
SPRING BREAK NO CLASSES- April 1-5				
11	Apr8-12	Chapter Chapter 9 & pp,162-167 "Human Genetics"	lab 7	Biotechnology Reading 4 Due
APRIL				
12	15-19	Chapter 12 "Biotechnology"	lab 8	[4] EXAM Labs 7 & 8 Lab Reports 7 & 8 Due
13	22-26	Chapters 13 & 14 "Evolution"	lab 9	Chapters 13 & 14 Reading 5 Due
14	29-May 3	<u>Chapters 13 & 14</u> "Darwin"		Reproduction Field Trip 2 Due
15	<u>MAY</u> 6-10	Chapter 35 "Reproduction"	lab 10	[5] EXAM Labs 9 & 10 Lab Reports 9 & 10 Due
16	13-17	Chapter 38 & 39 "Ecology"	lab 11 lab 12	Ecology and Final Review Populations

LAB REPORTS 11 & 12 DUE ON FINAL DAY

FINAL EXAM: MONDAY - MAY 20, 9:45 – 11:45 am (ONLY TIME GIVEN!)

Chapters 38 & 39 with two 10 point essays = 70 points
 Cumulative Lab Questions = 100 points
 75 objective, 2 essays (Total) = 170 points

NO MAKE-UPS ON EXAMS! NO EARLY OR LATE FINALS! Late papers (one week) accepted for **ONE-HALF CREDIT**. Lab reports, readings, and field trips must be turned in during SAS on date specified.

Copying worksheets or readings from one another is not acceptable and will result in a zero for that paper. It may also result in an "F" for the course.

Materials are for use in the A-T Lab only. Taking materials from lab will result in failure from the course.

FINAL EXAM IS TO BE TAKEN AT SCHEDULED TIME ONLY!

GAS: (General Assembly Session) Ron Ruppert, Coordinator

Monday **OR** Wednesday 9:30-10:30 Room 2401 1 hour

SAS: (Small Assembly Session) 1 hour sessions (see below)

32567	Th	11:30	O'Neill	Room 2204
30575	Th	12:30	Kirkhart	Room 2204
30597	Th	8:30	Contreras	Room 2204
30599	Th	9:30	Contreras	Room 2204
30600	F	12:30	O'Neill	Room 2204
30601	F	10:30	Tibstra	Room 2200
30602	F	9:30	Tibstra	Room 2200
30603	Th	3:30	Kirkhart	Room 2200
30604	W	3:30	Contreras	Room 2204
30605	Th	2:30	O'Neill	Room 2204
30607	Th	4:30	Contreras	Room 2200
30608	Th	1:30	Kirkhart	Room 2204

OPEN LAB HOURS:

Life Science Lab: 3 Hrs. Monday, Tuesday, Wednesday & Thursday - 8:30am to 9:00pm
(2 hours minimum/week) Friday- 8:30am to 4:30pm
Saturday- 9:00am to 12:00p (Noon)

(AFTER TWO ABSENCES from lab = -20 POINTS FOR EACH ADDITIONAL ABSENCE)

TEXT: 1. Concepts of Biology, Custom Edition for Cuesta, 2nd ed. Sylvia S. Mader
2. Lab Reports for Life Science, Bio 211, Ron M. Ruppert

GRADING: GAS Reaction Papers (11 @ 5 pts. each)	50 (drop one)
Readings (5 at 10 pts. each)	50
Field Trips (2 @ 20 pts. each)	40
5 Exams (5 @ 110 pts. each)	440 (drop lowest 110 pts.)
12 Lab Reports (25 pts. each)	275 (drop lowest 25 pts.)
Final Exam	<u>170</u>
Total Points	1025

You must drop one exam (excluding final) and one lab report for a final point value of 1025.

922 points or 90% for A
820 points or 80% for B
717 points or 70% for C
615 points or 60% for D
less than 615 points for F

LIFE SCIENCE LAB REPORTS

Any blanks in the lab report will be at least minus 1 point for each blank. Forgery of the instructor's signature will result in failure in the course. A missing signature is minus 3 points. It is not worth forging the signature for the three points off and risking failure in the entire course!!!

GAS REACTION PAPERS

After 10 of the lectures in GAS a reaction paper will be issued with a 5-point value each. If you turn in a reaction paper for an absent friend you and your friend will both get zero out of 50 on the reaction paper assignment. Don't risk it!

Bio 11, Life Science Student Learning Outcomes

Bio 11 is one of the General Education courses in Biology. The following are expected outcomes in all General Education biology courses including Bio 11:

1. Summarize the scientific method and evaluate its role in research, analyze problems in a structured way, and develop and employ strategies for solutions using scientific principles.
2. Interpret the empirical bases for current scientific theories, how these theories develop and change, and how they explain the natural world.

The following are Student Learning Outcomes that are specific to Life Science, Bio 11:

1. Identify important structures of cells and discuss structure/function of organelles.
2. Outline the basic metabolic reactions of photosynthesis and respiration.
3. Identify the parts of and demonstrate the correct use of a compound, light microscope.
4. Place cell division by mitosis and meiosis in the context of an organism's life cycle.
5. Discuss the role of DNA structure and function in protein synthesis.
6. Demonstrate literacy and interest in the Life Sciences through outside reading assignments and field trips.
7. Discuss the role of organisms in the maintenance of ecosystems.

Chemistry 210FI Syllabus

Cuesta College

Spring 2013

Course Name: Introductory Chemistry With Facilitator Assisted Learning (FAL)

Course Number (CRN): 30726

Course Meeting Days and Times:

Lecture/FAL M 6:00-8:50 pm / Room N2409

Lecture/Lab W 6:00-9:50 pm / Room N2406

Prerequisite: Math 123 or one year of high school algebra or appropriate placement through the assessment process

Instructor: Ken Ward

Office Location: N2409 **Mon.**(lecture room) and 2406 (lab) **Wed.**

Office Hours: Mon.&Wed. 4:30 PM – 5:30 PM or by appointment

E-mail: KWard@Cuesta.edu or KenW45@earthlink.net **Phone:** 805 550-8022

Please, feel free to email me at any time – I check my account frequently and have mobile access.

Required Textbooks and Materials:

- Text: Timberlake, Basic Chemistry, 3rd ed. Prentice Hall, ISBN-13:978-0-13-703841-1
- Lab manual: Modular Laboratory Program.
- FAL & Lab: Chem 210FI Handbook (Introductory Chem Handbook) ICH Spring 2013.
- Scientific Calculator (Such as Texas Instruments TI-30x).
- Lab Safety Goggles (Purchased in the bookstore).
- Optional materials: set of colored pencils; ruler.

Attendance Policy: According to Cuesta College policy, if a student wishes to secure a place in class, he or she must attend the first class meeting. Students are expected to attend all class meetings. You are allowed **six hours** (two classes of absences). After six hours, you may be dropped. If you are absent more than six consecutive hours, you will receive a failing grade unless you formally drop class. The roles will be cleared after late registration for no shows; then cleared on the first census week for nonattendance. If you choose to drop the course at any time, it is **your responsibility** to formally drop the course.

Course Description: Welcome! Principles of basic chemistry: Metric measurements, matter and energy, atomic structure, chemical nomenclature, chemical reactions, stoichiometry, chemical bonding, gas laws, properties of liquids, solids, solutions, acids and bases. This course is for the student having no prior background in chemistry.

Learning Outcomes:

At the end of this course, students will be able to:

1. Understand and use chemical laws to:
 - a. Solve chemical problems using mathematics and dimensional analysis.
 - b. Explain the observed chemical behavior of matter.
2. Understand the information contained within the Periodic Table of Elements and apply it to:
 - a. Describe atomic structure.
 - b. Predict the chemical properties of individual elements.
 - c. Predict the reactivity of various elements.
3. Communicate chemical concepts such as bonding, the physical states of matter, and stoichiometry through atomic symbols, molecular formulas, and the concept of the mole.
4. Safely perform chemical laboratory experiments to obtain data and visualized chemical concepts using specialized chemical laboratory equipment.

What I want you to gain by taking this course is a solid background in the basics of chemistry and chemical problem solving skills. Knowing how to solve the kinds of problems that we will work on in this class is a valuable skill that can be transferred to other situations and areas of life.

Grading Policy & Method of Evaluation:

There will be weekly quizzes, three exams worth 100 points each, and a final exam which is worth 200 points (**none** of the exams will be dropped). The laboratory assignments are worth 40 points each (The lowest lab score will be dropped). Homework will also be collected. The approximate total percentage assigned to each of these categories is as follows:

Quizzes (10)	5 %
Exams (3)	40 %
Final Exam	20 %
Laboratory Reports & Prelab Summaries (15)	20 %
FAL assignments (15)	10%
Homework (15)	<u>5 %</u>
Total	100 %

Grades: Will be assigned as follows. You can view your grade at any time by the student number that I will give you. The assignments to be dropped will not be dropped until the last week of the semester.

A	89.6-100 %	D	59.6-69.5 %
B	79.6-89.5 %	F	Less than 59.5%
C	69.6-79.5 %		

Lecture Schedule: A detailed lecture outline is provided at the end of this syllabus. This schedule is my best estimate of the order of topics covered. I reserve the right to make changes in this schedule at any time for any reason - I will announce any changes in advance.

Other Policies and Information:

Exams: There will be three mid-term exams, worth 100 points each (40% of grade). The final exam will be cumulative, and will be worth 200 points (20% of grade). Exams may be written in pencil or pen, but must be written legibly – if I cannot read your writing, I cannot give you full credit. No exam scores will be dropped. It is your responsibility to check that there are no errors in the grade within one week from the day that graded exams are returned. You do not need a scantron or blue book for exams.

Exam Make-ups: There will be **NO make-ups** possible for exams and quizzes. If you miss an exam, it will ordinarily count as a zero. If an emergency comes up, you must notify me at least **one day before the exam** by email. In some (extreme) cases, alternative accommodations can be made. A maximum score of 80% is possible in these extreme cases. It is your responsibility to contact me about such emergency situations. If you have DSSP requirements, it is your responsibility to notify me and make appropriate testing arrangements in advance.

Quizzes: Plan to take a quiz every **Monday** (*with a few exceptions*) **at the beginning of the lecture** (do not be late!). Quizzes are worth 10% of grade. **No make-up quizzes will be given.** The quizzes will cover the previous week's material.

Laboratory: Laboratory is mandatory. The laboratory schedule is detailed in the *Lab Schedule*. You are expected to read the lab manual for each laboratory experiment before coming to lab. You are expected to wear appropriate clothing to every lab (see Laboratory Guidelines in the Chem Handbook). The Labs will be worth 20% of grade. Pre-labs are due before you begin lab (no exceptions) and will not be accepted late. The written lab work will be due before you leave lab. **There are no lab make-ups.** Your lowest lab score will be dropped in computing your final grade. The last two labs for the semester may **not** be dropped. Any attempt to turn in a lab report for a lab that you did not do will be considered cheating, and no credit will be given (please review the Cuesta Student Code of Conduct).

Homework: Assignments will be collected at the beginning of class **every Monday**. No credit will be given for homework turned in late. In order to succeed in this class, you must be able to do these problems on a test, without the help of solutions manual (answers in the back of text). In order to learn how to do the problems, you need to struggle with them for a while - Don't turn to the solutions manual (or answers in the back of the book) too soon. Additionally, don't go against your better judgment and write down a wrong answer just because it is listed in the back of the book, there may be mistakes in the book. Since most of the answers are available, homework will be graded primarily on **completeness**. Of course, you must show your work, and also make sure to write the answers in your own words.

FAL (Facilitated Assisted Learning): Involves learning through peer assistance. Students will work together on assigned problems with the help of your instructor. You are required to attend your FAL session, usually the last hour of lecture on Monday. Attendance will be included in your course grade provided you are on time and participate. Completed assignments will be collected on the day assigned.

Another note: If you miss class or come in late, it is your responsibility to find out from someone what you missed, including assignments and due dates. I suggest exchanging phone numbers/email

addresses with a few people in class so that you can get this information if you need it. **You** are responsible for knowing when tests and due dates are

No Cell phones, PDAs, laptops or other devices:

Please be considerate and make sure that your cell phone and other electronic devices are turned off during lecture and lab. We will all need to concentrate in this class and ringing phones and other devices are very distracting.

Student Conduct: It is fine to discuss your homework and lab work with each other and help each other, in fact, I encourage collaborative studying. It is **NOT OK** to copy from other students or to allow another student to copy from you. Always put your explanations on homework, quizzes, exams and lab reports in your own words. Any instances of cheating or plagiarism on homework or lab reports will result in a zero on the assignment. It is of course NEVER acceptable to collaborate on tests and quizzes. If you are observed cheating on an exam or quiz, you will receive an 'F' in the course.

Support: Please take advantage of the resources available to you:

- Peer tutoring is available. A schedule will be posted as soon as possible.
- I am always willing to discuss any concerns that you may have either by email or in person.
- If you have special needs of any kind. Please let me know as soon as possible so that I can best accommodate your needs.
- Finally, your classmates are a fantastic resource. Find a study buddy or group! Students who study together invariably help each other improve. Make a goal to exchange email and/or phone numbers with at least two other classmates by the end of the first week.
- My Courses on the Cuesta web site contains copies of handouts, power point presentations and other web sites that can be used for extra practice and review.
 - Check under **files** and **links** at this site. Printing out summaries of power point presentations before lecture can be an effective way to enhance your note taking during lecture.

Advice: KEEP UP WITH THE WORK! This stuff takes practice! In order to **understand** the material, you need to be **actively** involved in the learning process. This means trying to do problems on your own, doing the examples in the book, being **focused** in lecture and lab, and **asking for help** when you need it.

- ✓ **Reading (more advice):** Not like reading your favorite novel.....Reading Chemistry is more like planning a trip to your favorite destination....with better than 90% Comprehension needed of course. **SQ3R** is an effective method to increase your reading comprehension and saves time (time counts)!
- ✓ **Before you read**
 - 1) **S**urvey – skim pictures & headings
 - 2) Write **Q**uestions to answer as you read
 - 3) **R**ead (only after you have done 1&2)
- ✓ **After you read** -
 - 4) **R**eview -answer questions assigned and that you wrote while reading
 - 5) **R**eread-probably 3X
- ✓ **Ask questions-frequently!**

Geologic Hazards, Man and the Environment – Spring 2013

Dr. Feride Schroeder

Office: 2304

Office hours: MW 1 – 2pm and by appointment

Email: fschroed@cuesta.edu

Phone: x2707**

**Please contact me via email or in an emergency contact the Division of Physical Sciences. I teach at two different campuses and am rarely in my office and do not check my messages often.

Lectures: MW 2:00 – 3:20 pm in 2401

Course description

Students will study geologic hazards as they relate to human interaction with the environment. This course emphasizes the geological framework explaining the cause, measurement, and effects of earthquakes, flooding, landslides, subsidence, volcanic hazards, climatic variation, and coastal erosion.

Upon completion of this course you should be able to:

1. Describe the scientific method and apply this to geologic phenomena such as plate tectonics.
2. Interpret the cause of earthquakes and describe their most hazardous effects.
3. Explain how an earthquake is located, its size measured, and future earthquakes are forecast.
4. Plan for survival of a major earthquake, including building modifications
5. Recognize several types of mass wasting events (landslides) or subsidence and steps to take to mitigate their impact.
6. Interpret the cause and distribution of dangerous volcanoes, their hazards, and how eruptions are predicted and monitored.
7. Explain the hydrologic cycle, ENSO cycles and the effects of river flooding.
8. Describe the relationship of climatic variation over short and long term cycles the threat of global warming and coastal erosion.

Prerequisite: Advised to have ENGL 156 or ENGL 165

Attendance/Drop Policy

Attendance in this course is mandatory. Consecutive absences (greater than two) in the first month of the semester may result in the student being dropped from the course. Subsequently, after six hours (four lectures) of absences, you may be dropped from this course. Withdrawal from the course before the deadline is the responsibility of the student. Failure to withdraw by the dates listed in the syllabus and schedule of classes will result in a failing grade.

Required materials:

Textbooks

Natural Disasters, 8th Edition, by Patrick Abbott (available in the bookstore, online at Amazon.com and as an online book at www.coursesmart.com)

Required but available on reserve/online:

Hazard City 4th Edition CD (assignments) – available for purchase online at <http://www.pearsonhighered.com/mygeoscienceplace/> or at www.amazon.com

Earth Revealed videos – available FREE online at

<http://www.learner.org/resources/series78.html/>

Moodle and Online Resources

There will be important materials available for this course on Moodle. The Moodle site will be used to view and submit assignments, to post practice assessments and review materials, share documents, find web resources, check your grades and connect with your groups and other students on a message board. You need to notify the instructor if you will not be able to regularly login to Moodle. In order to log on to your Moodle account, follow these instructions:

1. Go to the Moodle site at <https://moodle.cuesta.edu> using your internet browser.
2. Click on the login button. Your login ID is your myCuesta login ID (firstname_lastname).
3. Your initial password, which you will have to change the first time you login is *ChangeMe1* (case sensitive).

Course scores and grades will be posted on the Moodle site.

Group work

As part of this course, you will work in groups of 3-4 on class activities and exams. You will meet with students during the first two weeks of class and be assigned your final group during the third week of classes. This requires that you attend class regularly. Although I do not take attendance, any missed time will be reflected in your grade.

Worksheets

I will provide you with study worksheets that cover material from the reading and lectures. You are required to complete these worksheets prior to starting a new teaching module (section or topic). This means that you will need to read the chapter before coming to class. You will work on these study guides with your groups during lecture periods.

Quizzes

There will be short quizzes at the beginning of lecture on some (not all!) non-exam days. It is critical that you arrive to class on time to take the quizzes. These quizzes are meant to reinforce material learned in the previous week's lecture and reading, and practiced in the homework. There are no make-ups for the quizzes. There are no quizzes on exam days. You will drop two quizzes at the end of the semester.

Exams

The three midterm exams will consist of multiple choice and short answer questions. These may be based on lectures, assignments, videos, and assigned reading. The final exam is replaced by a final project. The final project presentations will take place during the final exam period and is not optional. Please review exam schedule on the syllabus and make arrangements to be at all exams. Make-up exams are only allowed in very limited circumstances and if arranged in advance with the instructor.

Homework assignments

There are seven homework assignments due at the beginning of class on the assigned date. There are no make-ups for the assignments. One of your assignments will be to complete one short article review this semester. A detailed handout will be provided with instructions for the review paper. Late assignments will be accepted up to one week late and penalized 20%. Also included in assignments are video worksheets completed throughout the semester.

Final Project

The final project for this course takes the place of the final exam. The assignment will be an individual or group poster project that addresses topics/current event(s) relating to natural hazards. The project will consist of assignments that span the entire semester including a proposal, detailed outline, the final poster and report and a presentation during the final exam period. The project is worth 200 points and should not be taken lightly. A detailed handout will be provided during the first few weeks of class.

Grading

Point distribution

Homework assignments	35%
Quizzes	15%
Midterm exams	30%
Final Project	20%

Grading scale

A	95-100%
A-	90-94%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%

C	70-76%
D+	65-69%
D	60-64%
D-	51-59%
F	50% and below

Grading and classroom etiquette

General guidelines

1. Please come to class on time and regularly. This is the first step to success in this course. I do not take attendance in class but it will be monitored through quiz performance.
2. Your participation in this course is critical for success. Please come to class prepared and ready to participate in class discussions.
3. Quality and performance of work is an important part of your grade.
4. I do not allow powered up mobile phones, PDAs or computers (except as required) in my classrooms. You may have these devices with you but they are to be turned off (not just on silent or vibrate) and put away. Cell phones are a distraction and **MUST** be turned off. Students using electronic devices during class may be asked to leave and found during exams will receive a failing grade on the exam.

Special needs

Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact Disabled Student Services & Programs at Building 3300 on SLO Campus (546-3148) or on North Campus (591-6215) to coordinate reasonable accommodations for students with documented disabilities. Additional information can also be found on the website at <http://academic.cuesta.edu/acasupp/dsps/>.

Academic dishonesty

The College defines cheating as taking an examination or performing an assigned, evaluated task in a dishonest way, such as by having improper access to answers or submitting work that is not your own (Student Code of Conduct <http://academic.cuesta.edu/president/BP/BP6000/6200.pdf>). I take this matter very seriously. Students caught being academically dishonest may receive a failing grade on the assignments in question, be dropped from the class, or be failed in the course. Beyond this, the student may be subject to disciplinary action as determined by the Vice President of Student Services or designee.

Lecture and Assignment Schedule (expected)

Week		Lecture topics	Reading *	Assignments and videos
1	1/21	Holiday – no lecture		
	1/23	Introduction to Geologic Hazards	Ch. 1	
2	1/28	Earth's Energy	Ch. 2	
		Deadline to drop without a W (2/3)		<i>Plate tectonics video</i>
3	2/4	Plate Tectonics	Ch. 3	Earth Revealed #5 and 6
4	2/11	Faults and Seismology	Ch. 4	<i>Epicenter Assignment (due 2/13)</i>
				Earth Revealed #9 and 13
5	2/18	Holiday – no lecture		
		Earthquakes	Ch. 5	<i>Final Project Proposals due</i>
6	2/25	Midterm #1 – individual		
		Midterm #1 – group		
7	3/4	Volcanoes	Ch. 6	
8	3/11	Volcano Case Histories	Ch. 7	<i>HC Earthquake Hazard Assessment (v1) in class</i>
9	3/18	Tsunamis	Ch. 8	<i>HC Volcanic Hazard Assessment (v2) due</i> <i>Sumatra Tsunami video</i>
10	3/25	Weather and Climate	Ch. 9	Earth Revealed #16 <i>HC Tsunami Hazard Assessment (v1) due</i>
11	4/1	Spring Break – no lectures this week		
12	4/8	Midterm #2 - individual		
		Midterm #2 - group		
		Deadline to drop with a W (4/14)		
13	4/15	Hurricanes	Ch. 11	<i>Article Review due to peer reviewer</i> <i>Hurricane Katrina video</i>
14	4/22	Climate Change	Ch. 12	<i>Google Earth Hurricane Assignment due</i>
15	4/29	Floods	Ch.13	<i>Article Review due</i>
16	5/6	Mass Movements	Ch. 15	<i>HC Flood Insurance Rate Maps (v3) due</i> <i>Final Project Outlines due</i>
17	5/13	Midterm #3 - individual		
		Midterm #3 - group		<i>HC Landslide Hazard Assessment (v1) due</i>
18	5/20	Final Project Presentations 2:15 – 4:15 pm		

*reading is from Abbott text

HC = Hazard City CD

Geology 212 Information Sheet and Contract

Name:

Major/Area of interest:

Why are you taking this class? What do you hope to learn?

Class Contract

1. I will logon Moodle and check announcements and messages on Moodle at least once a week during the semester.

Initials: _____

2. I will actively participate in class discussions and group activities.

Initials: _____

3. I understand that I will need to commit at least 6 hours per week outside of the assigned lecture period to studying. This includes:

- a. worksheets completed before lecture
- b. assignments
- c. videos
- d. exam study sheets
- e. final project

Initials: _____

4. I agree to be show up to each class on time and prepared with any required materials. I will have purchased the textbook by the end of the first week of class.

Initials: _____

5. I agree to turn off any electronic devices and keep them in my bag during class.

Initials: _____

Signature _____

Date _____

INTRODUCTION TO SOCIOLOGY – SOCIOLOGY 201A – SPRING 2013

INSTRUCTOR: **Dr. Morgan**
OFFICE: 6200 Building, Room 6201
OFFICE HOURS: MW 12:30-1:30pm, Tue 10:00-11:00am, and by appointment.
EMAIL: jmorgan@cuesta.edu
PHONE: 546-3100 ext: 2301

COURSE DESCRIPTION:

This course is intended to teach students about the basic principles of sociology, including the study of the structures of human society, and the structures and processes of group life. The course is acceptable for credit at CSU and UC campuses.

STUDENT LEARNING OUTCOMES:

At the end of this course, you will:

- Understand concepts, language, and definitions sociologists use to interpret their vision of social life.
- Have enhanced your analytical skills by understanding scientific methodology, including hypothesis testing and interpretation of data.
- Be able to analyze social events using major sociological perspectives
- Apply the knowledge learned to various events and experiences of your own life
- Have the ability to view your own life in sociological rather than personal terms
- Be able to use critical thinking and perceptive reading skills.

To accomplish these objectives, you will read relevant assigned materials, participate in class discussions, analyze an academic article, and complete 3 midterm exams and a comprehensive final exam.

CLASS REQUIREMENTS:

I expect all students to attend every class, and to be on time and remain in class until dismissed (do not arrive late or leave early as this disrupts your classmates and the class). I also expect all students to complete every assignment on time (this includes reading and writing assignments), to participate in class discussions, to keep copies of all papers you turn in, to exchange phone numbers with at least two people in case you need clarification about something, and to let me know if you are having any problems with the course material.

All students are valuable and can contribute to making this class an enjoyable one. I expect that students will participate and encourage students to share their experiences as they relate to the material being discussed. Students will be respectful of other students and of their experiences regardless of how different they may be to their own lives and experiences. Additionally, discussions and debates will be conducted in a professional manner. This means that each speaker will take responsibility for her/his opinion and critical analytical position (and to distinguish between the two). Needless to say, derogatory comments, prejudice, and/or discrimination of any type will not be tolerated.

Cheating in any form is forbidden and will be prosecuted to the fullest extent.

If you are absent from class, it is your responsibility to check on announcements made while you were absent. I do not provide copies of lecture notes, PowerPoint slides, or any other material used in class (unless provided to the entire class). It is your responsibility to obtain missed material from a classmate.

HOMEWORK:

Each week, students will read the text chapter corresponding to the lecture material. See the course outline and schedule at the end of this syllabus for chapter titles and numbers and ask Dr. Morgan if you have any questions as to what you should be reading. Additional homework assignments will be assigned and collected as part of the class participation grade.

EXAMS:

There will be three midterm exams and one cumulative final exam. The exams will consist of multiple choice, short answer, and/or essay questions. Exams will require the student to synthesize readings, films, and lecture material. If a student needs to miss an exam, s/he will contact the instructor prior to the exam if possible, and the day of the exam at the latest. Students who contact the instructor after the exam date must provide documentation in order to take the exam. Exams missed due to a documented emergency (documentation subject to instructors' approval) may be made up within a week of the original exam date. Exams missed without a documented emergency will be valued at 25% less than if the student took the exam at its regularly scheduled time. Students who are late for an exam will not be provided extra time. There is no make-up final exam. Students missing it will receive a zero.

ARTICLE CRITIQUE:

You will choose an article from a selection provided and write a critical analysis of it. More details provided on the assignment paper.

CLASS PARTICIPATION/IN-CLASS EXERCISES /VIDEOS:

This includes in-class assignments, exercises from the text, and participation in class discussions. Videos will be shown at various times during the semester. You cannot make-up points for missed in-class assignments or videos; although you may view the videos (contact me as soon as possible). A student's participation grade may be affected if his/her participation is continually inappropriate. I will make it clear if you are being inappropriate in class, but feel free to ask if you have concerns and/or questions.

STUDY GROUPS:

I strongly encourage students to form study groups. Students' papers/projects will be individual efforts, but it is always helpful to discuss ideas with others and to have someone else proofread your papers.

CLASSROOM CONDUCT:

Students are to follow the College's policies, found in the College Catalog and the Schedule of Courses, regarding conduct, cheating, plagiarism, and classroom disruption.

CHEATING AND PLAGIARISM:

"Cheating is the actual or attempted practice of fraudulent or deceptive acts for the purpose of improving one's grade or obtaining course credit; such acts also include assisting another student to do so. Typically, such acts occur in relation to examinations. However, it is the intent of this definition that the term 'cheating' not be limited to examination situations only, but that it include any and all actions by a student that are intended to gain an unearned academic advantage by fraudulent or deceptive means. Plagiarism is a specific form of cheating which consists of the misuse of the published and/or unpublished works of others by misrepresenting the material (i.e., their intellectual property) so used as one's own work." Penalties for cheating and plagiarism range from a 0 or F on a particular assignment, through an F for the course, to expulsion from the college. For more information on the College's policy regarding cheating and plagiarism, refer to the College Catalog.

Students caught cheating or plagiarizing will receive the maximum penalty allowed by Cuesta College and at the minimum will receive an F grade for the class.

CELLULAR PHONES, TAPE RECORDERS, AND OTHER ELECTRONIC DEVICES:

Students will turn off **ALL** electronic devices prior to entering the classroom. Not only do these devices interrupt the professor, but also your fellow students, as well as your own learning process. **NO** tape recording of class lectures without direct permission of the instructor is permitted. Use of head phones at any time is **NOT** permitted. Students violating these policies may be asked to leave the classroom.

CONTACTING THE INSTRUCTOR:

Students are encouraged to contact me during my office hours, by phone, or by email. If you use a cellular phone and leave a voice mail and I do not return your call, please assume that some part of your message was cut off and call again. If you send me an email, be sure to include your name and class day/time in the subject line, as I do not open email from unknown addresses. Additionally, do not forward information, send jokes, or send anything unrelated to this class to me. If you come across something you'd like to discuss in class, print it out and bring it in to share with me or with the whole class, if appropriate.

INSTRUCTOR CONTACTING STUDENTS:

I will utilize the email and/or phone number you provided to Cuesta College and myCuesta to contact students should the need arise. I also use myCuesta to post announcements, pertinent links, assignments, review sheets, and exam dates so please check the course page at least weekly.

STUDENTS WITH DISABILITIES:

Upon identifying themselves to the instructor and the College, students with disabilities will receive reasonable accommodation for learning and evaluation. For more information, contact Disabled Student Programs and Services in room 3300 (546-3148).

VETERANS:

If you are a Veteran, please contact Karen Andrews, Cuesta College's VA Certifying Official - 546-3142. The Veteran Center is in room 6903. The Vet. Center hours are Mon. - Thurs. 9:00am to 4:00pm.

COLLEGE LIFE:

College life can compound other issues in one's life. If you are feeling overwhelmed and feel you need help to maintain your personal balance – please contact our counseling center at 546-3138. I have access to other community organizations as well. Please don't wait, see me.

NOTE REGARDING LATE ADDS:

I will not add students after the campus add/drop period regardless of attendance.

STUDENT PRIVACY:

As a postsecondary institution, Cuesta College is committed to the standards established through the Family Education Rights and Privacy Act (FERPA), which protect students' rights to access their educational record and limits our ability to share educational record information with third parties. The essence of FERPA grants the following rights to our students.

Primary rights of students under FERPA include:

- Right to inspect and review their own educational record.
- Right to seek to amend their own educational record. The student must make a written request to the Director of Admissions and Records at the San Luis Obispo campus and provide the names of the records they wish to review or amend. The administrator will respond with the timeframe and location for the materials to be reviewed.

- Right to have some control over the disclosure of information from their educational records. One exception that permits disclosure without consent is the disclosure to school officials with legitimate educational interests. See below for the definition of a school official.
- The right to file a claim with the U.S. Department of Education concerning alleged failures by the College to comply with the requirements of FERPA.

The FERPA guidelines apply to individuals who are enrolled at Cuesta College regardless of the age of the student. Under FERPA, schools may, but are not required to, provide parents of students who are dependent for tax purposes access to the student's educational records. Cuesta College does not release information to parents without the written consent of the student, regardless of age.

FERPA regulations may be found in the Cuesta College Catalog, printed class schedules and/or on the Cuesta web site. <http://www.cuesta.edu/privacy2.htm>

REQUIRED BOOKS:

Sociology Now: The Essentials (custom edition) by Michael Kimmel and Amy Aronson

OPTIONAL/RECOMMENDED RESOURCES:

Study Guide for Kimmel and Aronson Sociology Now prepared by Shelly McGrath.

Study Guide for Native Spanish Speakers is available for the semester from me directly (2 copies).

<u>GRADES:</u>	<u>% of Grade</u>
Article critique	15%
Midterm Exams (3): (20% x 3) =	60%
Final Exam:	20%
Quizzes/Homework/ Class Participation/Videos:	<u>5%</u>
	100%

YOUR FINAL GRADE will be determined by your total percentage and on the following scale (plus / minus grading will be utilized):

- A = 90 – 100%
- B = 80 – 89%
- C = 70 – 79%
- D = 60 – 69%
- F = Below 60%

If you are having trouble with the material, please contact me. I am more than willing to assist any student having difficulty with the course material.

COURSE OUTLINE AND TENTATIVE SCHEDULE:

ASSIGNMENTS AND TOPICS

Introduction to Course: Introductory Activities – What is Sociology?

Part 1: The Sociological Perspective

What is Sociology?

Kimmel and Aronson Ch. 1 (What is Sociology?)

Culture

Kimmel and Aronson Ch. 2 (Culture and Society)
Video: Consuming Kids

Society

Kimmel and Aronson Ch. 3 (Society: Interactions, Groups, and Organizations)

EXAM 1: Covers all readings and class material to date

Research Methods

Kimmel and Aronson Ch. 4 (How Do We Know What We Know?)

Socialization

Kimmel and Aronson Ch. 5 (Socialization)
Video: Secret of the Wild Child

Deviance and Crime

Kimmel and Aronson Ch. 6 (Deviance and Crime)

EXAM 2: Covers all readings and class material since Exam 1

Video and discussion on Class and Stratification in the United States

Stratification and Social Class

Kimmel and Aronson Ch. 7 (Stratification and Social Class)

Race and Ethnicity

Kimmel and Aronson Ch. 8 (Race and Ethnicity)

Gender

Kimmel and Aronson Ch. 9 (Sex and Gender)

EXAM 3: Covers all readings and class material since Exam 2

Review for final exam

Final Exam: Wednesday, May 22, 9:45-11:45am

The above schedule and procedures for this course are subject to change.

IMPORTANT NOTE: If you drop this class after **February 3, 2013** you will receive a “W” on your transcript. All courses in which you earn a grade of “D”, “F”, “NP” and/or “W” are counted as “unsatisfactory” attempts to successfully complete the course. You are only allowed 3 attempts to repeat courses for which you receive an “unsatisfactory” grade. A “W” on your transcript will count as an “unsatisfactory” attempt to successfully complete the course.

Personal note and request: I am allergic to products used in perfumes and colognes. If you plan to come to my office, please do not wear any perfume, cologne, etc. that day. Thank you!

Please read, sign, and return a copy of this page to me.

I have read the syllabus for Sociology 201A, Introduction to Sociology, and I understand the requirements of the course.

Print Name

Sign Name

Date

INSTRUCTOR INFORMATION

Mark Turner

Office: 2326
Office Hours: MWF 11:00-11:50
TR 11:30-12:20

Email: mturner@cuesta.edu
Office Phone: 546-3100, Ext.2789
Math Div. Fax: 546-3187
Web: <http://academic.cuesta.edu/mturner/>

COURSE INFORMATION

ADD POLICY

*Adds will be taken through February 1 as space permits. You may add online through myCuesta using an ADD code. **Note: You must use your Add code to enroll within 24 hours, otherwise your seat may be given to another student.***

PREREQUISITES

Completion of Math 123 (Elementary Algebra) with a grade of C or better, or the equivalent. There is very little review built into this course.

ABOUT THE COURSE

This course will build upon skills learned in elementary algebra, and prepare you for a college transferable course such as College Algebra, Precalculus, Trigonometry or Statistics. Specifically, we will cover rational expressions, absolute value equations and inequalities, functions, systems of linear equations and inequalities, quadratic equations and functions, exponential and logarithmic functions, sequences and series, and the Binomial Theorem.

STUDENT LEARNING OUTCOMES

By the end of this course, the student will be able to:

- 1. Solve a rational equation*
- 2. Solve a linear system of three equations*
- 3. Solve a variation problem*
- 4. Compute a composition of two functions*
- 5. Find the vertex of a quadratic equation*
- 6. Compute a logarithm*

COURSE MATERIALS

Required: *The text for this course is Introductory & Intermediate Algebra for College Students; Fourth Edition, by Blitzer. For the most cost effective option, you can purchase an instant-access package which includes MyMathLab and eBook.*

A MyMathLab account is required for this class. If you purchased a new textbook from the Cuesta Bookstore, your book was bundled with a MML access code. Otherwise you can purchase an access code online during registration.

There is a required course pack for this class with all of the handouts and worksheets for the semester. You can purchase the course pack from the Cuesta Bookstore, or you can download the pdf file at academic.cuesta.edu/mturner/m127/coursepak.pdf and print your own copy.

You will need a scientific calculator for this course. No cell phone or graphing calculators will be allowed on quizzes or exams.

Optional: *The Student Solutions Manual and Student Study Pack can be purchased separately in the bookstore as optional resources.*

Also, there are video lectures available online through our Pearson web portal at www.pearsoncustom.com/ca/cuesta_math/. You will need an access code to enter this site. If you purchased a new textbook, an access code was included with your book. Otherwise you can purchase an access code separately.

ATTENDANCE

To do well you must attend class. It is your responsibility to officially drop the class by the withdrawal deadline. The last day to drop without a W grade is February 3. The last day to withdraw with a W is April 14. I reserve the right to drop students due to poor attendance.

HOMEWORK

Most homework will be done online through MyMathLab. Assignments will be due before the following class session. For MML assignments from the first two weeks of class, you may change your score anytime after the due date without penalty. For all other MML assignments, you may change your score after the due date for a 30% penalty.

When using MyMathLab, carefully work each problem on paper first and check your steps before submitting your answer. If your answer is marked incorrect, click on the button for Similar Exercise or Try Again to generate a new question. If necessary, use the resources available within MyMathLab to get help in solving the problem, view an example, or watch a video. You have an unlimited number of attempts to submit a correct answer for each question, so keep trying until you can work the problem correctly.

GROUP QUIZZES

Quizzes will cover material from previous lectures. Groups will work together on solving the problems, but each student must submit a paper with their own solutions. Missed quizzes cannot be made up. Your lowest quiz score will be dropped.

CLASS WORKSHEETS

Class worksheets involve practice problems relating to material we have just covered. You may work in groups or by yourself. Worksheets cannot be made up if you are absent, but I will drop your three lowest worksheet scores.

All of the worksheets are included in the course pack. If you do not have the worksheet with you in class, you will not be able to get credit for that assignment. **Keep the course pack in your binder so that you have each worksheet ready when it is needed.**

EXAMS

There will be five midterm exams and a comprehensive final exam. There are NO make-up exams; contact me prior to an exam in case of emergency. The final exam will be given on

Monday, May 20 at 12:00-2:00 (MWF Class)

Tuesday, May 21 from 12:00-2:00 (TR Class)

with NO exceptions. Make sure to schedule any travel plans after this date. You will need a photo ID with you during the final exam, so please be sure to have one available by then. At the end of the semester I will replace your lowest midterm exam score with your percentage on the final exam (only if it is to your benefit).

TEST CORRECTIONS

If you have a score of 70% or better on every MML homework assignment pertaining to a particular midterm, you will be allowed to submit corrections for one problem (of your choice) that you missed on the exam for extra points (half credit). Corrections must include a complete, correct solution to the problem accompanied with explanations of your mistakes. Corrections must be turned in at the beginning of the next class session.

2ND CHANCE EXAM

If you received a score of less than 65% on a midterm exam (including a zero score from a missed exam), you may choose to take a second chance exam online through MyMathLab. By successfully passing the second chance exam with a score of 75% or higher, your midterm score will be replaced with a 65% (which is the minimum passing level). You have three attempts to reach the 75% passing level.

To be eligible to take a second chance exam, you must have scores of 70% or higher on every MML homework assignment pertaining to that midterm. Second chance exams must be completed prior to the following midterm exam or final exam. You may only replace ONE midterm score with a second chance exam.

GRADING

Your grade will be based upon the following percent distribution:

MyMathLab Homework	10%	90%+	A
Worksheets	10%	80%– 89%	B
Group Quizzes.....	10%	65%– 79%	C
5 Midterm Exams	50%	55%– 64%	D
<u>Final Exam</u>	<u>20%</u>		
Total possible	100%		

I may assign plus/minus grades when it benefits the student. If you do not take the final exam, you will receive a failing grade.

PASS/NO PASS

You may elect to take this course for Pass/No Pass. Students may change to P/NP grading online through myCuesta or in-person by completing the Petition for P/NP Grading form and submitting to any registration location. The deadline to select P/NP grading is February 19.

THE SKY IS FALLING!

*Sometimes life throws us unexpected curve balls. If you feel overwhelmed or are facing some serious trauma, **please come and see me!** I am here for you. We will figure something out.*

ADDITIONAL RESOURCES

Tutoring: *The Tutorial Center, located in the Academic support Center in Room 3300, provides free drop-in tutoring. On the North County Campus, the Tutorial Center is located in Room N4002.*

Library: *The Library should have at least one copy of the text available on reserve. They also have CD Lecture Videos that you can watch in the Library or check out overnight.*

Internet: *My web site (<http://academic.cuesta.edu/mturner/>) has a number of resources that you may find helpful, including a daily schedule that lists the material covered, homework or quizzes assigned, and handouts given in class each day. You can also download worksheets, study guides, previous exams, answer keys, class lectures, and other study materials directly from the site.*

TIPS FOR SUCCESS

Here are some general tips to help you succeed in any college level math class:

- ✓ *Take responsibility for learning the material. Participate in class, take notes, attempt to work practice problems before I provide the solution, ask questions, and do all of the homework regularly.*
- ✓ *Begin to study for each exam one week in advance. Start studying for the final exam three weeks in advance.*
- ✓ *Do not allow yourself to fall behind. Keep up and avoid last-minute cramming.*
- ✓ *Focus on learning the concepts, not just memorizing a set of procedures or problem types. The goal is to gain an understanding of the material and developing your problem-solving skills, not just getting the homework done.*
- ✓ *Make sure you can do the problems on your own. If you can't do a problem without some form of assistance, this is a sign that you do not know the material well enough!*

DISABLED STUDENTS

Any student who feels he or she may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. Please contact Disabled Student Services & Programs at Building 3300 on SLO Campus (546-3148) to coordinate reasonable accommodations for students with documented disabilities.

ACADEMIC HONESTY

Please review the Academic Honesty policy in the Class Schedule. Students who violate these principles are subject to disciplinary procedures. Any students caught cheating on an exam will, as a minimum, receive a failing score on that exam that cannot be replaced. Other possible consequences include being dropped from the class, receiving a failing grade in the class, or even expulsion from Cuesta College.

STUDENT CONDUCT

Students are expected to conduct themselves in a manner that is appropriate for a college classroom. These expectations include:

Arriving to class on time, and once in class staying for the entire period.

Being courteous to the instructor and your fellow students.

Actively participating when given an activity to perform in class.

*Cell phones are to be **turned off** before entering the classroom.*

Please read the Student Code of Conduct in the Class Schedule for other expectations regarding student conduct.

DISCLAIMER

Although every effort will be made to adhere to the policies outlined in this syllabus, the instructor reserves the right to revise any information without prior notice.

OCEANOGRAPHY: Spring – 2013—Distance Learning CRN 31986

INSTRUCTOR: Debra S. Stakes

OFFICE HOURS: Times to be arranged by class at orientation meeting
Office room #2304, Phone# 546-3100 Ext. 2720, email - dstakes@cuesta.edu

TEXT: *Ocean Studies*: Introduction to Oceanography, 2011, 3rd Ed, Joseph M. Moran
AMS Ocean Studies Investigations Manual, Acad Yr 2012-2013 and Summer 2013
URL: www.ametsoc.org/amsedu/login.cfm; or amsedu.ametsoc.org/amsedu/login.cfm
Planet Earth and Earth Revealed: These videos can be viewed on-line at no cost by going to
<http://www.learner.org/resources/series49.html/> (Planet Earth)
<http://www.learner.org/resources/series78.html/> (Earth Revealed).
NOAA Learning Objects: <http://www.montereyinstitute.org/noaa/>

Goals

This class introduces the subject of Oceanography. It will emphasize the geological, chemical and physical processes that operate in the near shore and deep ocean setting and explain how they may influence marine ecosystems. Inquiry-based self-guided activities will be emphasized, as well as online peer collaboration. This course emphasizes applied activities over memorization. This is a rigorous class designed to transfer to universities. It is appropriate for those seeking to satisfy their general education physical science requirements as well as those wishing to pursue additional Earth or Marine Science classes for which Oceanography is a prerequisite.

STUDENT LEARNING OUTCOMES FOR OCEANOGRAPHY:

Upon completion of this course the student will be able to:

1. Describe the process of scientific inquiry, commonly called the scientific method, and be able to apply the method as it pertains to oceanographic phenomena.
2. Explain the current hypotheses related to the origin of Earth and development of the atmosphere, oceans, and life.
3. Explain the dynamic processes involved in tectonic plate motions, including the characteristic processes and interpretation of landforms associated with tectonic plate boundaries.
4. Contrast the principal types of physiographic features on the seafloor and discuss their origin relative to tectonic plate processes.
5. Describe the origin of the four major types of marine sedimentary materials and be able to predict the distribution of the types of sediments on the sea floor.
6. Explain the influence of the hydrologic cycle, atmospheric processes, and marine life on the chemical characteristics of seawater.
7. Understand how temperature, salinity, and density characteristics determine the physical structure of the ocean.
8. Discuss Earth's heat budget and the influence of oceanic and atmospheric processes in distributing heat.
9. Explain the Coriolis effect and characterize its role in the dynamics of ocean and atmospheric circulation.
10. Draw and discuss the idealized global wind system and its affect on global climate patterns and global ocean circulation.
11. Describe the characteristics, formation, and dynamics of wind-driven waves.
12. Explain the motions of the Earth-moon-sun system and the resulting ideal monthly tidal cycle.
13. Compare differences between erosional and depositional shoreline processes and their affect on the development of coastal landforms.
14. Provide examples of how man-made coastal structures affect shoreline processes.
15. Describe the impact of the tectonic setting of major US coastlines on the general types of coastal features present.
16. List and describe several types of ocean pollutants that especially affect the water quality of coastal zones.
17. Understand the global distribution of primary productivity and its relationship to the physical dynamics of ocean circulation.
18. Discuss the characteristics of several marine pelagic and benthic ecosystems and the adaptations of and niches of organisms within those ecosystems.

EVALUATION:

Exams (3 @ 25%)	= 75%
Investigation Manual/Chapter Quizzes/Extra Credit	= 25%

Grades are assigned according to the following: **Above 90% =A, 89-80% =B, 79-65% =C, 64-55% =D, less than 55% =F.**

EXAMS: All three exams must be proctored, either on a Cuesta campus or by arrangement on another campus. I will provide exam dates to take the exam with me (most students do this). Email assessment@cuesta.edu to set up exam dates at SLO or NCC campuses if the times I offer do not work for you. If you plan to take the exam on another campus, I will need the contact person and their email prior to the exam. Exams will be 35 Scantron questions (multiple choice, matching) and three short essay questions. *The exams will include questions from both the chapter quizzes and the Investigation Manual. The short essays will mostly be derived from the Study Guide.* I expect you to learn the material well enough so that you can apply it to new situations during tests. To promote your efforts to learn and be able to use the material rather than just memorize it, I allow notes to be used during all exams

limited to handwritten, one side only of one standard 8.5 X 11 piece of paper. **Study guides are provided for each exam which can be answered and submitted with the exam for 5 points extra credit.**

QUIZZES AND INVESTIGATION ACTIVITIES: The dates given below are the due dates for each Chapter's assignments, although inevitably there will be shifts of a few days that will be announced. Chapter Quizzes are required for every chapter, while investigation manual chapters include some optional chapters that can be submitted for extra credit (final homework grade capped at a maximum of 105%). You must have all the required work done for Chapters 1-4 to take Exam 1, Chapters 5-8 for Exam 2 and Chapters 9-12 for Exam 3. I have set up discussion boards for you to collaborate with the other students in the course, including discussions about each of the three study guides. Everything in the course is collaborative except for the proctored exams.

TENTATIVE SCHEDULE: (Note: Date and assignment changes will be announced online and via myCuesta email (be sure to read your myCuesta email and the Moodle calendar); dates below are when assignments are DUE, usually at midnight.)

January 23 Orientation Meeting, Room 2108 SLO campus, 5:30 pm

<u>DATE</u>	<u>TOPIC</u>	<u>TEXTBOOK/MANUAL</u>	<u>ADDITIONAL MATERIAL</u>
Jan 28	Ocean in the Earth System	CHAPTER 1/Act 1-A,B	Planet Earth #2: The Blue Planet*
Feb 4	Ocean Basins and Plate Tectonics	CHAPTER 2/Act 2-A,B	Earth Revealed Program 4, 5 & 6
	Feb 3 <i>last day to drop without a W</i>		NOAA Learning Object -- 1, 2, 4
Feb 11	Properties of Seawater	CHAPTER 3/Act 3-A,B	NOAA Learning Object-- 7
Feb 25	Marine Sediments	CHAPTER 4/Act 4-A,B	IODP: http://www.iodp.org/audiovisual/3/

Exam 1: Feb 26-Mar 2 by arrangement (all assigned work must be completed before exam)

Mar 11	The Atmosphere and Ocean	CHAPTER 5/Act 5-A,B	Animations: Links posted on websites
Mar 18	Ocean Currents	CHAPTER 6/Act 6-A,B	NOAA Learning Object -- 8 Links posted on website
Mar 27	Waves and Tides	CHAPTER 7/Act 7-A,B	NOAA Learning Object -- 9, 10
Apr 15	The Dynamic Coast (Apr 14 last day to drop with W)	CHAPTER 8/Act 8-A,B	Earth Revealed Program 24 (required) NOAA Learning Object -- 14

Exam 2: Apr 16-Apr 20 by arrangement (all assigned work must be completed before exam)

Apr 29	Marine Ecosystems	CHAPTER 9/Act 9-A	NOAA Learning Object -- 5
May 6	Life in the Ocean	CHAPTER 10/Act 10-A	NOAA Learning Object -- 3, 13
May 13	Ocean Variability	CHAPTER 11/Act 11-B	Extra Credit: Climate Change
May 20	The Ocean and Climate Change	CHAPTER 12/Act 12 A, B	Extra Credit: The Future of Oceanography

Exam 3: May 20-24 by arrangement (all required work must be completed before exam).

All extra credit work for Chapters 11 and 12 due by May 24.

CLASS RESOURCES: If you have not used Moodle at Cuesta College before, your login name is exactly the same as your myCuesta login. The *first* time you login, your password is Changeme1, and you will be directed to set a new password. If you have any login problems, please contact: support@my.cuesta.edu. You can get to Moodle website by using the link on the Cuesta College website (lower right corner) or by going directly to: <https://moodle.cuesta.edu>. *The Moodle website is hosted offsite, so you can use this link even if the Cuesta website is down.* The Moodle website includes materials organized by Chapter. The Chapter resources include questions for each of the Chapter quizzes and answer sheets for the Investigation Manual. Copies of all PowerPoint slides from the textbook, exam study guides, animations, interesting links and extra credit assignments will also be posted on the Moodle website. The answers for all chapter quizzes, investigation manual activities and online assignments must be input to the Moodle website after the due date. An overview of accessing the Moodle website will be provided at the orientation meeting.

Additional resources are available online from the AMS Investigations website, either amsedu.ametsoc.org/amsedu/login.cfm; or www.ametsoc.org/amsedu/login.cfm. The student login is **cues132** and the pw is **oceans13!**. Copies of figures for the Investigation Manual are available on the AMS website as well as a complete list of updated links for all Manual activities. Feel free to email, (dstakes@cuesta.edu), text (805-704-9776) or call me with questions when you get stuck.

STUDENTS WITH DISABILITIES: If you have a disability and might need accommodations in this class, please contact *Disabled Student Program & Services* in Building 3300 as soon as possible to ensure that you receive the accommodations in a timely manner. You may also discuss your need for accommodations with me.