

GEOL 102
Geology of Planet Earth Lab
Spring 2011

Instructor Information

Katy McGuire

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Office: LO 1224

Office Hours: Thursday 12-1:30 or by appointment

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Class Information

Meeting time: Thursday 2:00-4:45 pm

Meeting place: EH 2028

Text: Laboratory Manual in Physical geology, 8th edition by Richard Busch.

Additional online resources will be posted on Moodle throughout the semester

Additional materials: **Calculator**, pencil

Course objectives

This course is designed to introduce and use the basic rock types, structures, earth processes, and maps used in the geosciences. You will be able to take the ideas and concepts discussed in the lecture portion of this course and apply them during lab sessions.

Course requirements

This is a hybrid course consisting of on-line assignments and several labs to be completed during class - **class attendance is mandatory**. As the class only meets during the scheduled lab time a few times this semester, **attendance is mandatory**. For in-class activities such as labs, quizzes, or exams, no make-ups will be given unless there is an extenuating circumstance. If you notify me by email before class begins of your absence, you will be able to make up the assignment during my office hours or by appointment. This policy is in effect because labs are difficult to make up outside of the allotted class time.

Online labs

Online labs will be posted on Moodle and may require the use of additional materials, such as maps found on the walls of Live Oak Hall, second floor.

Online labs are to be submitted as directed on the lab. Labs are due by the time noted on the lab. Labs to be submitted online will not be accepted late unless there is a VERY extenuating circumstance. You will have at least one week to complete each assignment. Plan ahead and allot yourself time to complete each assignment every week. Being sick on the day it is due is not a valid excuse.

Moodle and EMAIL will be the primary method of communication regarding online assignments, quizzes, and midterms. The syllabus will be updated periodically on Moodle to reflect new due dates if necessary.

NO CELL PHONES ARE TO BE USED DURING CLASS TIME.

Labs

Read the assigned lab(s) before coming to class. We will discuss terms and concepts of each lab during the first part of class. Lab activities and questions will be completed during class and graded labs will be returned the next lab period. You will be working in groups of 2 to 3 students for in-class labs.

Plagiarism will not be tolerated.

Assigned readings and activities for online labs will be posted on Moodle.

Week	Date	Topic	Lab# and reading from lab manual
1	Jan 27	(CLASS) Syllabus, unit conversions, scales, measurements, 1 DUE IN-CLASS	Lab 1: pg 1-8, 19-28 Fig.1.7
2	Feb 3	(CLASS) Plate Tectonics and the rock cycle DUE IN-CLASS	Lab 2: pg 30-46 Lab 4: pg 75-77
3	Feb 10	(CLASS) Mineral Properties and Identification DUE IN-CLASS	Lab 3: pgs 47-60
4	Feb 17	(CLASS) Igneous Rocks, Volcanic Hazards DUE IN-CLASS	Lab 5: pg 89-106
5	Feb 24	(CLASS) Sedimentary Rocks, Metamorphic Rocks DUE IN-CLASS	Lab 6: pg 109-132 Lab 7: pg 133-146
6	Mar 3	(online), Dating of rocks, fossils, Geologic events DUE MAR 10	Lab 8: pg 151-164
7	Mar 10	(online) Topographic Maps DUE MAR 17	Lab 9: pg 167-178
8	Mar 17	(online) MIDTERM, MIDTERM DUE ONLINE MAR 24	
9	Mar 24	(online) Streams and Groundwater Processes DUE MAR 31	Lab 11: 213-234 Lab 12: 236-250
10	Mar 31	(CLASS) Geologic Structures, Maps, and Block Diagrams DUE IN-CLASS	Lab 10: 195-212
11	Apr 7	(online) California Geology . Earthquake Hazards NO CLASS, CESAR CHAVEZ HOLIDAY Due APR 21	Lab 16: 297- 308
12	Apr 14	NO CLASS, SPRING BREAK	
13	Apr 21	(online) Oceans, Coastal Processes, DUE APR 28	Lab 15: 284-294
14	Apr 28	(online) Glacial Processes, Extinctions DUE MAY 5	Lab 13: 251 -267

15 May 5 (CLASS) Earth's Resources / Earth's Interior, questions
DUE IN-CLASS

16 May 12 (online) FINAL
DUE ONLINE MAY 13

*schedule subject to change. Students will be notified in advance of changes.

Quizzes

There will be a quiz on the assigned reading, online materials, and important topics from previous labs each week, for both online and class activities. The quizzes are brief if you keep up with the reading. Quizzes can not be made up unless prior notification of extenuating circumstances is given. Extra credit questions are usually added to quizzes. Pay attention to headings, **bold** words, lists, figures, and definitions in the reading. One quiz question per quiz will require a computation, so bring a calculator!

Tests

There will be a midterm and a final exam in this course. All topics covered in the online labs and in-class labs, supporting material, lectures and the lab manual readings are fair game. You should be familiar with the terms and concepts covered in each lab and quiz.

Attendance and Participation

You must complete your online labs and you must come to class when we meet. Group work is allowed and encouraged, but each question should be answered individually by each student. The majority of in class time will be spent on lab activities. The content of this course cannot be mastered and you will not receive a good grade unless you come to class and complete your online labs. (That goes for lecture too!)

Evaluation and grading

No incompletes will be given for this course except when specific university mandated criteria are met and with instructors approval.

Lab exercises: 50%
Midterm: 15%
Quizzes: 15%
Final: 20%

Each lab is worth the same amount of credit towards your final grade, but your lowest lab score will be dropped.

Your grade = $0.50(\text{Lab percentage}) + 0.15(\text{Midterm percentage}) + 0.15(\text{Quiz percentage}) + 0.20(\text{final percentage}) * 100$

Extra credit assignments: TBA

Grading Scale:

100-92% A	87-82% B	77-72% C	67-60% D
91-90 % A-	81-80% B-	71-70% C-	<59% F

89-88% B+

79-78% C+

69-68% D+

Academic Dishonesty

Official California State University policy states: "The maintenance of academic integrity and quality education is the responsibility of each student within this university and the California State University system. Cheating or plagiarism in connection with an academic program at a campus is listed in Section 41301, Title 5, California Code of Regulations, as an offense for which a student may be expelled, suspended, or given a less severe disciplinary sanction. Academic dishonesty is an especially serious offense and diminishes the quality of scholarship and defrauds those who depend upon the integrity of the campus programs. Such dishonesty includes but is not limited to: cheating, fabrication, facilitating academic dishonesty, and plagiarism."

I will not tolerate any form of academic dishonesty. I expect that you will uphold the integrity of the academic environment here at CSUN. If I find evidence of academic dishonesty, I will report such evidence to the Office of the Vice President for Student Affairs and recommend either a letter of admonishment or disciplinary action. If you are caught cheating on an assignment, you will not receive credit for the assignment. If you are caught cheating on an exam, you will be given a failing grade for the exam. Cheating includes copying answers during an exam, facilitating cheating by another student, altering a test grading sheet after the exam, or lying about an excuse for missing the exam.