

**GEOLOGY 4 - History of Planet Earth - LAB**  
EL CAMINO COLLEGE  
Fall 2009

INSTRUCTOR: Dr. Chuck Herzig

OFFICE: NATS 210

OFFICE PHONE: 310-660-3593 ext. 3366

OFFICE HOURS: 1 – 2 M, 5:00 – 6 pm Tues, 5:10 – 6 pm Wed, 5 – 6 pm Thurs, or by appointment

TEXTBOOK: History of Planet Earth Laboratory Manual 3<sup>rd</sup> edition (Herzig) – (unmarked, clean copy)

COURSE CONTENT: The purpose of this laboratory class is to familiarize you with the physical processes, geological materials, and life forms that have been active during the history of the planet Earth. This laboratory class is "hands-on" and there is no substitute for doing the work, handling the rock, fossil, & mineral specimens, and working with the maps.

GRADING:

**(a)** Lab activities = Each lab activity counts toward your total score. These points are variable for each lab but the total will be 400 points. Completing the lab activities, quizzes, and going on the alternate site activities are important in order to pass the class. Arriving late to a laboratory activity will receive a 10% late fee penalty. You are encouraged to work in pairs. However if you are observed not contributing to completing the activity, then you will not receive credit for the activity. There are no make-up lab activities without a verifiable written excuse. Alternate site activities are possible if cannot attend a regularly schedule activity. The minerals quiz may be performed by singles or pairs only.

**(b)** Midterm Lab Practicum: There will be one midterm practicum. (100 pts). The midterm practicum is an application of what you have learned in the class up until this time. Open lab manual, singles or pairs only. Both partners must be observed contributing to completion of the midterm, and final. If you are observed not contributing equally to the effort you will be graded accordingly. If you arrive late for the practicum exam, you only have the remainder of the designated time to complete the midterm practicum exam.

**(c)** Laboratory Practicum Final = Last day of class meeting, **12/16/09**. Covers only second part of class; singles or pairs only, open lab manual. Points = 100.

**(d)** Alternate Site Activities – There will be 4 alternate site activities. Each activity = 50 pts. total points = 200.

**(e)** Extra Credit: It is possible to earn extra credit points. You must discuss your ideas with the instructor. Maximum possible extra credit points for the semester = 25.

**(f)** Attendance is important. Arriving at class on time is important. If you miss a class, or are late to class, you are responsible for acquiring the materials that you missed. Late arrival to class or to the alternate site activities without a written verifiable excuse will receive a 35 % deduction. Completing make-up laboratory assignments requires a valid written excuse. Late lab assignments will receive a 35 % late fee deduction. Last day to turn in late work is **12/3/09 in my office at 6:00 pm** (see below).

Final Grade based on the following:

Lab Activities = 400 pts (50 %)

Midterm Practicum = 100 pts (12.5 %)

Alternate Site Activity Assignments = 200 pts (25 %)

Final Practicum = 100 pts (12.5 %)

Grade Scale: A = 90 - 100 % B = 78 - 89 % C = 65 - 77 % D = 52 – 64 % F = ≤ 51 %

All policies and procedures regarding academic integrity according to the Code of Conduct in the El Camino College Catalog will be followed in this classroom. Turn off all pagers, cell phones, and other electronic devices before entering the classroom. Do not use cell phones or pagers during class time. Leave the classroom if must use your cell phone for communications. Do not use Entertainment Listening Devices (ipods) during classtime. You are expected to conduct yourself in a mature fashion while enrolled in this class. If you cannot do so, then you will have to leave. Excessive cellphone text messaging during classtime – meaning that you were asked more than one time to stop text messaging

during class time - will require you to leave the classroom. Any violation of academic standards will be reported using Academic Dishonesty Report Form C, and/or Violation of Standards of Student Conduct Form A.

<u>WEEK</u>	<u>TOPIC</u> (subject to change)
1 (9/2)	Introduction Principle of Uniformitarianism
2 (9/9)	Plate tectonics
3 (9/16)	Plate tectonics - Time Machine - Room MCS8 Math-Computer Science Building
4 (9/23)	Fossils and Geologic Time Relative Age Dating
5 (9/30)	Relative age dating (cont.) - Grand Canyon
6 (10/7)	Geologic Maps
7 (10/14)	<b>Alternate Site Activity #1</b> – Malaga Cove
8 (10/21)	<b>Midterm Practicum Exam</b>
9 (10/28)	Internet Research Project
10 (11/4)	Internet Research Project - Class Presentation
11 (11/11)	Minerals
12 (11/18)	<b>Alternate Site Activity # 2</b> - - LA Natural History Museum
13 (11/25)	Sand Minerals Quiz
14 (12/2)	<b>Alternate Site Activity # 3</b> - Palos Verdes
15 (12/9)	<b>Alternate Site Activity # 4</b> – La Brea Tar Pits
16 (12/16)	<b>Laboratory Practicum Final</b>