

HILLSBOROUGH

Community College 

EARTH SCIENCE LAB SYLLABUS

ESC 1000L (formerly GLY 1001L)

Monday Earth Science Lab

Spring 2010

Instructor's Name: Marianne O'Neal Caldwell

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Office Hours (Day, Time):

Mondays at Dale Mabry Campus in DSCS 128, 7:45-8am; 9:15am-11am; 12:15pm-1pm

Tuesdays online 7:30am-10am

Wednesdays at Dale Mabry Campus, DSCS 128; 7:30am-8am; 9:15am-11am

Thursdays online 10am-12:30pm

Also available by appointment

Office Location: DSCS 128 (Science Building, Room 128)

Class Schedule: Monday 1pm

Course Description:

Earth Science Lab is designed to assist the student in understanding concepts taught in the lecture course. This is accomplished through participation in the lab exercises.

Course Objectives:

Read and follow instructions to perform lab exercises as described in the syllabus.

Identify appropriate lab instruments to be used and take measurements using those instruments to compute scientific calculations and unit conversions.

Describe the scientific method and apply it to experiments presented in the lab.

Work cooperatively in a group to successfully complete lab experiments, analyze results, discuss questions, and state conclusions.

Text Book:

Required :

Earth Science Lab Manual by M. Caldwell

Students who do not use the correct lab form will receive a 10 point penalty.

Grading System:

Final grades will be computed as follows:

60%	Lab Reports
20%	Lab Test I
20%	Lab Test II

The grading scale is as follows:

A	100-90%
B	89-80%
C	79-70%
D	69-60%
F	less than 60%

Grades will be available online through the online@hcc website.

Academic Dishonesty Policy:

Use of outside resources during tests is not permitted and all writing assignments must be written in your own words. Any type of cheating on the tests or papers will result in a grade of F. Plagiarism is the unauthorized use of someone else's work. Any student found guilty of plagiarism will be subject to the college's policy on plagiarism.

Attendance Policy:

Because of the nature of a lab course, students should attend all class meetings. Lab reports are due at the end of each lab period. There will be no make-up labs and each student is expected to attend all class meetings. Your lowest grade on a lab exercise will be dropped so if you miss a lab, this will be the lab grade dropped. You should arrive within 10 minutes of the class starting time to participate in lab that day. Arrival after that time will result in a deduction of 10 points per every 10-minute interval. Several of the labs may be completed independently. If you chose that option, you must either turn in the lab by 1pm (beginning of class) on the lab due date or upload it to the online classroom website by 10pm the evening of the due date.

Instructional Methods:

In addition to the lab reports two tests will be given during the semester. Each test is "practical" in nature, meaning that the skills utilized in lab will be applied during the test. The format of the test is short answer and fill-in-the-blank.

Request for Accommodations:

If, to participate in this course, you require an accommodation due to a physical or learning impairment, you must contact the Office of Services to Students with

Disabilities. The office is located in the Student Services Building, Room 208. You may also reach the office by telephone at (813) 253-7031{voice line}; (813)253-7035 {TTD}.

Online Classroom:

A classroom website is available for student use at: online@hccfl.edu . The classroom gradebook will be kept on the website so that students can access grades at any time. You may also use the classroom email for communications and upload assignments that can be completed independently. Students are asked to login within the first two weeks. In order to login please follow these directions:

- 1) Go to the HCC website at: <http://www.hccfl.edu>
- 2) Click on the link at the upper right area of the website that says: online@hcc
The direct link is: <http://www.hccfl.edu/distance-learning/dl-splash.aspx>
- 3) Click on the uppermost link in the shaded box. The direct link is:
<http://hconline.blackboard.com>
- 4) Follow the directions for login; you must know your student ID number; if you have problems, please contact the help line number listed on the login page.

Assignments:

Prior to class, students are expected to have read the lab exercise for the day. Students may work in groups for each lab exercise but not for the test. A calculator and pencil should be brought to each lab class. Students are required to complete lab exercises in pencil.

Tentative Class Schedule Monday Lab:

Jan.	11	Introduction
	18	Holiday
	25	Outdoor Classroom
Feb.	1	Mineral Identification
	8	Igneous and Metamorphic Rock Identification
	15	Holiday
	22	Sedimentary Rock Identification
Mar..	1	Virtual Earthquakes*
	8	Virtual Field Trip to Florida's Coastlines
	15	LAB TEST I

	22	Surface water*
	29	Mid-term Break
Apr.	5	Virtual River Discharge*
	12	Virtual Isochron*
	19	Weather Maps*
	28	Hurricane Mapping*
May	3	LAB TEST II

Lab exercises marked with * have all the directions and information in the lab book and may be completed independently.