

GLY 4400C – Structural Geology and Tectonics

Lab Syllabus – Spring 2015

Time: *Thursday, periods 4-5 (10:40pm – 12:35pm)*

Location: *Williamson Hall 215*

Instructor: *A. Christian Stanciu (cstanciu@ufl.edu)*

Office Hours: *Wednesday, Period 4 (10:40pm – 11:30pm), or by appointment*

Office: *224A*

Textbook

Basic Methods of Structural Geology by Stephen Marshak and Gautam Mitra, 1st ed., 1988/1998

Objectives

The GLY2010H Lab is designed to develop field and problem solving skills that can be applied to solve complex structural geology and tectonic problems. Throughout this lab you will learn how to interpret and construct geological maps and cross-sections, take measurements in the field using different tools (including Brunton compass and GPS unit), apply the stereonet analysis, and solve 3-D problems. In this lab you will have to think in three dimensions in order to solve geological problems on two-dimensional maps.

Materials needed:

- Brunton and GPS (checked out from me)
- Field notebook
- Protractor and Ruler
- Graphing and tracing or vellum paper
- Stereonet (we will construct these together)
- Colored pencils

Grading

Your lab grade represents 30-35% of your final course grade, and it will be determined as follows:

85% – 11 lab assignments

15% – Lab Final

Expectations

All laboratory assignments will be turned in at **the beginning of the lab on the following week**. If you fail to do so **15% off** will be taken from your grade for each day you are late (weekends count!). **Assignments will not be accepted more than five days late**. The final exam will be based on the lab textbook, the lab assignments, and the information provided during lab hours.

Attendance

Attendance is **required**. Students are expected to attend all labs and will only be excused with a valid reason and prior discussion with the lab TA.

Academic Honesty

Working together is encouraged, however, the work you turn in needs to be written in your own words. Any matching responses will receive a score of zero. By enrolling in this course you are responsible for knowing and following the University of Florida policy in academic honesty. You've agreed that **"On my honor, I have neither given nor received unauthorized aid in doing this assignment."** Cheating or plagiarism will not be tolerated. All students are expected to adhere to the student honor code (<http://www.dso.ufl.edu/judicial/honorcode.php>).

Accommodations for Students with disabilities

Students requesting classroom accommodation must first register with the Dean of Students Office (<http://www.dso.ufl.edu/drc/>). Contact the lab TA as soon as possible to discuss classroom accommodation.

Lab Schedule (subject to change)

<i>Month</i>	<i>Day</i>	<i>Topic</i>
January	08	Lab 1 - No Lab
	15	Lab 2 - TBA
	22	Lab 3 - TBA
	29	Lab 4 - TBA
February	05	Lab 5 - TBA
	12	Lab 6 - TBA
	19	Lab 7 - TBA
	26	Lab 8 - TBA
March	05	No Lab (Spring Break)

	12	Lab 9 - TBA
	19	Lab 10 - TBA
	26	Lab 11 - TBA
April	02	Lab 12 - TBA
	09	Lab 13 - TBA
	16	Final Exam

Field Trip: Thursday April 2 to Monday April 6 (late afternoon to early evening)

More details will be provided as the trip approaches.