

GLY 4750

Syllabus & Schedule Spring Semester, 2012

Geology Field Methods

Prerequisites: GLY 2010 Evolution of the Earth or equivalent Introductory geology course, GLY 2100 History of the Earth and Life or equivalent Historical geology course, GIS3015C Introduction to Mapping and GIS or equivalent.

TIME: Friday 9:00 -10:50 a.m.

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Suggested: Basic Geological Mapping by Richard J. Lisle, Peter Brabham, and John Barnes, Wiley-Blackwell, 2011

COURSE DESCRIPTION

Introduction to field methods in geology. Description, measuring, and sampling of rock outcrops, rock identification in the field, geologic mapping and keeping records of observations. Writing field reports. Includes nine-day field trip through parts of Florida, Georgia, North Carolina, and Tennessee during spring break and several day-long trips in the south Florida area. In addition

3/11/12

	should attend		submitted Field Site Reports must be sent to Dr. Oleinik by e-mail no later than 4/13/12	
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COURSE EVALUATION/GRADING Will be based on the following criteria:

Item	Percent of Final Grade
Field Notebook	40
Instructors Observation of Student Performance in Field	15
Field Site Paper	15
Attendance and Participation in Class and all field exercises	15
Lecture Examination	15

Examination. One examination based on lectures and readings from the textbook. February 20, 2009. Examination constitutes 15% of course grade

Field notebooks will be collected and graded at the end of the course. Grade will depend on the completeness and accuracy of the information as well as on clarity of writing, field sketches and drawings. No field lecture recordings (using smart phones and video recording devices) are permitted during field trips. All information must be recorded in the Field notebook in the field. Only text written by hand in pencil will be accepted. Typed and printed text in the Field notebooks, as well as glued in photographs are not acceptable!

Field performance grade will include an assessment of student's oral communication skills in field. The ability of the student to clearly explain his/her observations, to exchange ideas and explain the hypotheses and interpretations of a particular geologic structure, rock formation, and geologic history will be evaluated at the specific sites in the field.

Field Site paper - Every student will turn in a detailed report on one of the geologic sites studied in the field. The report will be based on student's observations in the field. Papers should formulate data-driven hypotheses, discuss alternative hypotheses, and discuss their interpretations. Papers must show knowledge of geologic concepts and processes, an understanding of relevant geologic history, and an evaluation of the potential for natural resource exploitation, if any. Specific site will be assigned by the

instructors after the field trips are over. See activities schedule for the submission deadline. Deadlines are FINAL! No Exceptions!

Field notebooks and Field Site Papers will be graded by a Faculty Committee consisting of Dr. Anton Oleinik, Dr. David Warburton and Mr. James Gammack-Clark.

Grading Scale			
Percent	Grade	Percent	Grade
93-100 %	A	73-76.9 %	C
90-92.9 %	A-	70-72.9 %	C-
87-89.9 %	B ⁺	67-69.9 %	D ⁺
83-86.9 %	B	63-66.9 %	D
80-82.9 %	B-	60-62.9 %	D-
77-79.9 %	C ⁺	< 60 %	F

Attainment of the lowest grade average in any category will assure that your grade is not lower than the indicated grade.

CLASS POLICIES

ACADEMIC