

Dynamic Earth - GLY 1

Fall 2011

Instructor: Prof. Vic DiVenere
Office: Pell Hall 229C (knock loudly on 227)
Office Hours: 12:30 - 4:00 Mon, 12:30 - 1:30 Wed, or by appointment
Phone: 299-2034
Email: DiVenere.CWP@verizon.net
Web Site (notes): http://myweb.cwpost.liu.edu/vdivener/gly_1/notes.htm
(slide shows): <http://blackboard.liu.edu/> (log in with your C.W. Post email user ID and password)
Department of Earth and Environmental Science: Room 133 Life Science, 299-2318

Text: Essentials of Geology (11th Ed.)
Lutgens and Tarbuck

Lab Manual:
Laboratory Manual in Physical Geology (9th Ed.)
Richard M. Busch, Editor

Course Objectives: We will study

- 1) the materials that make up our Earth
- 2) the dynamic internal and tectonic processes that cause earthquakes and volcanoes and build mountains
- 3) the surface processes that sculpt Earth's natural landscape features, constitute natural hazards, and provide water resources.

Earth and Environmental Science Student Lounge: Check out the student lounge in Pell Hall, room 129 E. It's a good place for lunch, studying, etc. There is a microwave, coffee pot, and a refrigerator.

Quizzes and Short Written Exercises: Several short quizzes will be given. Occasional short written exercises will be assigned during the course of the semester.

Makeup Exams: The Midterm and Final Exams may only be made up with a doctor's note. Makeup exams are all written.

Academic Integrity: Plagiarism will be dealt with severely. All work presented on exams and written exercises must be your own. Any written passages not in your own words must be in quote marks with the source noted.

Cell Phones and Pagers: All cell phones must be turned off before entering the classroom. No texting in class. Failure to comply will result in a lower grade! All electronic devices must be turned off before the beginning of quizzes and exams or a failing grade will be assigned

Attendance, tardiness, and class participation will be noted and will affect your grade (for better or worse).

Grading:	Quizzes & Exercises	25%
	Lab Grade	25%
	Midterm Exam	25%
	Final Exam	25%

Important Dates:

Oct 10	no classes - Columbus Day
Oct 26	Midterm Exam
Nov 23	no classes – Thanksgiving break
Dec 14	Final Exam Review
Dec 15-21	Final Exams (exam probably Monday, Dec 19)

Planned Sequence Of Study

Topic	Chapter
Earth Materials:	
Matter and Minerals	2
Igneous Rocks and Volcanoes	3 & 4
Weathering and Sedimentary Rocks	5 & 6
Metamorphic Rocks	7
The Restless Earth:	
Rock Deformation - Geologic Structures	17
Earthquakes	14
The Earth's Interior	14
Plate Tectonics	15
Surface Processes:	
Groundwater	10
Stream Processes and Fluvial Landforms	9
Shore Processes and Coastal Landforms	13
Glaciers and Glacial Landforms	11

See the web site for detailed lecture topics and summary notes.
http://myweb.cwpost.liu.edu/vdivener/gly_1/notes.htm