Environmental Geology: GLY-3039

Meeting time: 9:00-9:50 M, W, F
Meeting location: PC-432
Course Level: Undergraduate 3039
Sections: 1
Web page: http://www.fiu.edu/~sukopm/GLY3039/GLY3039.htm

Course Catalogue Description
GLY 3039 Environmental Geology (3). GLY 3039L Environmental Geology Lab (1). The composition and structure of the earth, the internal and external forces acting upon it and the resulting surface features. Case studies and general principles illustrated from South Florida and the Caribbean. Field trips expected. No prerequisites. (F,S,SS)

Instructor: Dr. Michael Sukop
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Department: Earth Sciences
Office: PC-346A
Office Hours: M, W 3 to 4 pm, as available, and by appointment (Best: send e-mail to arrange appointment.)

Outline
Syllabus, Policies, Introduction
Overview
Rocks and Minerals
Plate Tectonics
Earthquakes
Volcanoes
Streams and Flooding
Coastal Zones and Processes
Mass Movements
Ice and Glaciers, Wind and Deserts
Climate – Past, Present, and Future
Water as a Resource
Soil as a Resource
Mineral and Rock Resources
Energy Resources – Fossil Fuels
Energy Resources – Alternative Sources
Waste Disposal
Water Pollution
Air Pollution
Environmental Law and Policy
Land Use/Planning and Engineering Geology
**Performance Measures, Grading/Attendance Standards**

**Quizzes and Attendance:** 1/2 of grade. 10-minute quizzes will be administered weekly on a random day at a random time during class. The sum of all quiz grades will be weighted to account for 1/2 of your overall course grade. There will be approximately 12 quizzes; therefore each one is worth about 4% of your overall grade. There will be no make up quizzes (except when due to religious holy days; see below), so they will also serve as a measure of your attendance. Quizzes will be based on lecture, text, and study guide material.

**Examinations:** 1/4 of grade each. One mid-term and one final examination will focus on concepts. Examinations will be based on lecture, text, study guide, and quiz material.

**Grading:** Grading will be based on visual inspection of the cumulative grade distribution.

**University Policy on Religious Holy Days:**

1. Each student shall, **upon notifying his/her instructor**, be excused from class to observe a religious holy day of his/her faith.
2. While the student will be held responsible for the material covered in his/her absence, each student shall be permitted a reasonable amount of time to make up any work missed.
3. No major test, major class event, or major University activity will be scheduled on a major religious holy day.
4. Professors and University administrators shall not arbitrarily penalize students who are absent from academic or social activities because of religious observances.

I am planning to have the midterm on February 20, which avoids conflict with all major religious holy days according to [http://www.interfaithcalendar.org/2007.htm](http://www.interfaithcalendar.org/2007.htm).

Please provide the notifications required by Number 1 of the policy via e-mail by close of business Friday, January 18.

**Text**


Companion web site:

[http://www.mhhe.com/montgomery8e](http://www.mhhe.com/montgomery8e)

Choose ‘Student edition’ and see especially the study guides for each chapter at ‘Choose a Chapter’, ‘Study Guide’