

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)

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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>.

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

Text

Environmental Geology, 8/e, 2008, Carla W. Montgomery, Northern Illinois University. 2008 McGraw-Hill Higher Education, Boston. 556 pp. ISBN: 978-0-07-282691-3

Companion web site:

<http://www.mhhe.com/montgomery8e>

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