Introduction to Earth Science: GLY-1010

Meeting time: 11 – 12:15 M, W
Meeting location: RDB-1100
Course Level: Undergraduate 1010
Sections: U01
Web page: http://www.fiu.edu/~sukopm/GLY1010/GLY1010.htm

Course Catalogue Description
GLY 1010 Introduction to Earth Science (3). GLY1010L Introduction to Earth Science Lab (1). Basic survey of Earth materials and structure, plate tectonics, volcanoes, earthquakes, surface processes and groundwater, climate change, earth resources and the impact of geology on society. (Lab fees assessed) (F,S,SS)

Instructor: Dr. Michael Sukop
Telephone: 305-348-3117
E-mail: sukopm@fiu.edu
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
An Introduction to Geology
Plate Tectonics: A Scientific Revolution Unfolds
Matter and Minerals
Igneous Rocks
Volcanoes and Other Igneous Activity
Weathering and Soil
Sedimentary Rocks
Metamorphism and Metamorphic Rocks
Geologic Time
Crustal Deformation
Earthquakes
Earth's Interior
Divergent Boundaries: Origin and Evolution of the Ocean Floor
Convergent Boundaries; Mountain Building and the Evolution of Continents
Mass Wasting: The Work of Gravity
Running Water
Groundwater
Glaciers and Glaciation
Deserts and Winds
Shorelines
Energy and Mineral Resources
Planetary Geology

Performance Measures, Grading/Attendance Standards, Policies
Quizzes and Attendance: 10% of grade. 10-minute quizzes will be administered at the beginning of class on a random basis as appropriate to coverage of class material. The sum of all quiz grades will be weighted to account for 10% of your overall course grade. There will be approximately 10 quizzes, so each one is worth about 1% 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. Attendance and completion of quizzes is not mandatory but encouraged and will improve your overall grade. Quizzes will be based on lecture, text, and study guide material.

**Examinations:** Mid-term (30%) and final (60%) examinations 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 except that scores of 95% or better on each exam will ensure an ‘A’ grade even if no quizzes are taken.

**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 Monday, February 26, which avoids conflict with most 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 Wednesday, January 17.

**My Policy on Incompletes:**
Strongly discouraged! -- Usually more of a curse than a blessing. What you’ll need to request one: doctor’s note attesting to at least 2 weeks of incapacitation (provide Doctor’s name, office number and address) or death certificate for immediate family member.

**Policy on cheating:**
It is a sad misdirection of your energy. See the University’s policy on Academic Misconduct here: [http://www.fiu.edu/provost/polman/sec2web.html#2.44%20ACADEMC%20MISCONDUCT](http://www.fiu.edu/provost/polman/sec2web.html#2.44%20ACADEMC%20MISCONDUCT)

**Text**

Includes “Student Lecture Notebook” and “GEODe: Earth” CD

**Companion web site:**
[http://wps.prenhall.com/esm_tarbuck_earth_8e](http://wps.prenhall.com/esm_tarbuck_earth_8e)