

Florida International University
Dept of Earth and Environment

GLY 1010 Intro to Earth Science – Section 01 – Fall 2009 Syllabus

Instructor: Dr. K. Panneerselvam
Office hours: MW 11:00 – 1:00

Office: PC 342A
Phone: (305) 348-1948
E-mail: kpanneer@fiu.edu

Required text: Earth: An introduction to physical geology, 9 th edition, by
Tarbuck and Lutgens

Welcome to Earth Science. This course is an introduction to how the earth works and what materials make up this unique planet. The scientific study of the earth helps us to locate a variety of natural resources, to learn about the dangers of some of the natural processes, and to understand how we interact with our environment. This perspective will enhance your appreciation for the natural world and help you make informed decisions about environmental and political issues.

| Topic | Reading- Chapters from text |
|---|-----------------------------|
| Introduction to Earth Science | 1 |
| Plate tectonics | 2 |
| Minerals | 3 |
| Igneous rocks | 4 |
| Volcanoes | 5 |
| Question-answer | |
| Exam 1 | |
| Weathering and soil | 6 |
| Sedimentary rocks | 7 |
| Metamorphic rocks | 8 |
| Rock cycle | 1 p. 28-30 |
| Topographic maps | - |
| Geologic time | 9, 22 |
| Question-answer | |
| Exam 2 | |
| Geologic structures | 10 |
| Earthquakes | 11 |
| Earth's interior | 12 |
| Development of plate tectonics | 2 |
| Tectonic features | 13, 14 |
| Question-answer | |
| Exam 3 | |
| Hydrologic cycle | 16 |
| Streams | 16 |
| Groundwater | 17 |
| Oceans and shore lines | 20 |
| Earth Resources | 23 |
| Carbon cycle | |
| Global climate change | 21 |
| Exam 4 – Not Comprehensive – Finals Week (Dec. 7 – 12) | |

Holidays:

| | | |
|-------------------|----------------------|--|
| <i>Sept 07</i> | <i>Monday</i> | <i>Labor Day Holiday (University closed)</i> |
| <i>Nov 11</i> | <i>Wednesday</i> | <i>Veterans' Day Holiday (University closed)</i> |
| <i>Nov 26, 27</i> | <i>Thurs, Friday</i> | <i>Thanksgiving Holiday (University closed)</i> |

Grading

| | |
|----------------|--------|
| Attendance | = 10 % |
| Quiz, homework | = 10% |
| Exams (4) | = 80 % |

A = 93-100, A- = 90-92, B+ = 87-89, B = 83-86, B- = 80-82, C+ = 77-79, C = 73-76, C- = 70-72, D+ = 67-69, D = 63-66, D- = 60-62, F = fewer than 60 points.

Policies:

It is very important that you bring your text book with you to class, because I frequently refer to the figures and tables in it. Lectures are informal. Feel free to ask questions or relate experiences that are pertinent to the topic. Avoid discussing among yourselves during the lecture because it distracts me and the students who try to listen.

Attendance:

Regular and punctual class attendance is required. Attendance will be taken at random. You must be physically present in class to get credit for attendance. No exceptions. Late arrivals and early departures count as absence.

Make-up exams:

You are responsible for all class-related work regardless of attendance. Make up exams will be allowed only under extenuating situations or by prior arrangement with the instructor. Whether or not to permit a makeup exam is at the discretion of the instructor. The instructor has the option of choosing a different test format for the make-up exams (i.e., fill-in the blanks or short answer). There is no make-up for the final exam.

Religious holidays:

If you plan to be absent to observe a religious holiday make arrangements with the instructor at least two weeks in advance (university policy). Any makeup exam must be taken within a week following the religious holiday.

Cellular phones, etc., must be turned off and out of sight. Any form of cell phone use in the class or any disrespectful behavior will reduce your final grade.

If you copy or cheat in any way on any test or assignment, you will fail the assignment and may fail the course.

Academic Integrity: Please familiarize yourself with The University's Code of Conduct http://www.fiu.edu/~jms/standards_of_conduct.htm

