Geol 109 Hybrid Earth Science #12401  
Fall 2014

Instructor: Dr. Vincent Devlahovich, M.S., Ed.D.

Day/Time/ Place: Hybrid with class meetings Mondays from 2:00 – 4:00 PM from 8/25 - 10/18/14 in BYKH 109.

Office: SCOH 306F Hours: T 9AM - 10:00 AM or W 9:00AM - 10:30 AM or by appointment.

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Required Text: Introduction to Earth Science, Tarbuck and Lutgens, 7th edition

ISBN 13:9780321114141

Blackboard Login: http://www.canyons.edu/Blackboard

Your login is your seven digit student ID number. Your initial password is “student” if you have never used Blackboard, or if you have used it before, your current password. For assistance with Blackboard login use http://www.canyons.edu/Offices/Distance_Learning/ or call (661) 362-3344.

Description: This course is an online introduction to Earth Science. It features web-based Blackboard based assignments, media, power points and exercises to enhance your understanding of the subject area. It surveys the terminology and basic concepts of the fields of Earth Science, including astronomy, geology, oceanography, and meteorology. Examines the Earth’s changing geologic systems and the importance of Earth Science phenomenon to daily life.

IMPORTANT! Read this syllabus carefully and be sure to adhere to all the deadlines in the course timeline. I recommend keeping a calendar of important dates and times in this course.

Grading & Class Procedures: Hybrid classes require diligence, initiative and persistence for student success. To support your learning, timelines will be in place to keep you on task. You must adhere to the timelines below to pass this class! You are responsible for reading all the assigned chapters above before you attempt the quizzes. Remember (see below) the quizzes are only available to you at the times listed below for each week of the course. You will not be allowed access to quizzes that have closed. I will be closely monitoring all your quiz attempts and how many times you are using the quizzes. I strongly advise you to make use of the calendar feature in Blackboard to keep track of the deadlines in this course. Power points on each chapter are also available on Blackboard for your viewing and studying pleasure. They highlight the important points of each chapter. If you are having any problems or concerns with this course, contact me as soon as they occur so I can assist you in a timely fashion. I check both the Blackboard email and my College of the Canyons email frequently so this is the best way to communicate with me.

Timelines and Assessment Guidelines: Quizzes will be available each week from 6 a.m. each Sunday until 6 a.m. each Friday morning. The test for each week will be available from 6 a.m. each Friday morning until 11:55 p.m. the following Saturday night. You must take the quizzes and tests in these assigned periods only. The quizzes are unlimited in time and you may take them as many times as you wish during this period. The tests, on the other hand, must be taken in the time window denoted above and can only be taken once. The questions will be available one at a time and you must answer each question to proceed to the next question. The tests are timed at 30 minutes total and after this time you cannot submit any answers. A timer will be available for you convenience.

Summary of Course Procedure: Each week you will be required to complete the following tasks to be successful:
Read the assigned chapters in your textbook.

Review the corresponding power point presentations.

Complete one quiz for each chapter as many times as necessary to master the content in the chapter.

Take one test per week between Friday at 6AM and Saturday at 11:55PM on Blackboard.

Attend and participate in class each week on designated Mondays at 2 PM.

Grading is on an A, B, C, D, and F system based on the following: The lecture grade is based on the eight tests, each worth 8% (64% total). In addition, in-class work is required for each class meeting and is worth 36% of your grade.

Suggestion: If you have problems, contact me. I check my e-mail regularly and this is the best way to reach me. You can make individual appointments to meet with me also by email.

Note: I strictly adhere to the College’s academic dishonesty policies found in the course catalog. Cheating will not be tolerated!

Student Learning Outcome:

1. Analyze the effects of Earth science phenomena on daily life.

Course Objectives:

1. Identify and describe the planets, other planetary bodies, and their motion around the sun.
2. Explain time zones in terms of longitude and the rotation of the earth.
3. Explain the reasons for changes in the observed position of the sun and moon in the sky during the course of the day and from season to season.
4. Name and describe bodies in the universe including the sun, stars, and galaxies.
5. Examine the formation and observable physical characteristics of minerals and different types of rocks.
6. Identify characteristics of landforms.
7. Explain chemical and physical weathering, erosion, deposition, and other rock forming and soil changing processes and the formation and properties of different types of soils and rocks.
8. Analyze layers of the earth.
9. Explain how mountains are created and why volcanoes and earthquakes occur, and describe their mechanisms and effects.
10. Describe plate tectonics, including its convective source, and the commonly cited evidence supporting the theory.
11. Examine the effects of plate tectonic motion over time on climate, geography, and distribution or organisms.
12. Describe general changes on the earth over geologic time as evidenced in landforms, rocks and fossil records, including plant and animal extinction.
13. Identify factors influencing the location and intensity of earthquakes.
14. Explain the influence and role of the sun and oceans in weather and climate and the role of the water cycle.
15. Describe causes and effects of air movements and ocean currents (based on convection) on daily and seasonal weather and on climate.
16. Compare and contrast the characteristics of bodies of water, such as rivers, lakes, oceans, and estuaries.
17. Analyze tides and explain the mechanisms causing and modifying them.