

**Email:** rcottrell@sir-ray.com

**Website:** www.sir-ray.com/Touro.htm

**Telephone:** 917.626.6746

**Text:** *Earth: An Introduction to Physical Geology* - 8<sup>th</sup> Edition

Tarback, Lutgens. March 2004. Pearson, Prentice Hall.

ISBN-10: 0131148656 or ISBN-13: 978-0131148659

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### **Course Content**

This is a basic course introduction to Physical Geology. Topics covered include the scientific method, weathering and erosion, minerals, rocks, plate tectonics, geologic time, earthquakes, volcanoes, fossils, and Earth's water systems. The course will illustrate how the Earth acts as an integrated system involving the dynamic interactions between its various layers. Course instruction will incorporate lecture, laboratory activities, videos and trip activities.

### **Course Goals**

The goals of this course are to introduce you to the basic concepts and principles of physical geology; and to understand the processes that have produced the materials, surface features and structures of our Earth. Additionally, students will learn to understand that geology is not just the study of rocks – but that geology affects the world on a daily basis.

### **Course Requirements**

- 1) Attendance as per Touro College requirements
  - a) sign-in at start of class (after 6:35 PM will be marked late)
  - b) sign-out at end of class (leaving early will be treated as missing ½ class)
- 2) Trip attendance at the American Museum of Natural History
  - a) attendance by group – date to be decided
  - b) attendance by individual (receipt proof required)
- 3) Lab reports
  - a) individual
  - b) group
- 4) Lecture Exams
- 5) Midterm
- 6) Final
- 7) Group research presentation – based on American Museum of Natural History trip
  - a) Power Point Slide Show
  - b) Presentation Board