Core 8.2: Science in Modern Life – Geology

Course Outline

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Text Book: Essentials of Geology by Lutgens and Tarbuck - 9th Ed.
Lab Manual: Core 8.2 Lab Exercises – Available at Geology Department office Room 3131 N

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Topic      Reading Assignment from Text Book
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Introduction                                               Chap. 1
General structure of the earth:                                           Chap. 14
Earth's interior                                              (Part A on Earth’s Interior only)
Earth Materials: Minerals                                        Chaps. 2
Rocks: Igneous, sedimentary and metamorphic                     Chaps. 3,4,5,6 and 7
Geologic Time                                                 Chap. 18
Earthquakes                                                   Chap. 14
                                                          (Part B on Earthquakes only)
Continents and ocean basins                                  Chap. 16
Continental drift; Plate tectonics                            Chaps. 15
Plates and plate margins:                                      + parts of Chap 1
Constructive and destructive Plate movements                  Chap. 17
Mountain building                                              Chap. 17
Importance of plate tectonics in geology

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Exams:

MIDTERM EXAMINATION –

FINAL EXAMINATION –

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Term grade will depend up the following: each worth about 1/3 of total grade
1. Lecture midterm
2. Lecture final
3. Laboratory work includes lab participation, lab report, lab exam, and field trip.
   Report, exam and field trip are all mandatory.

Nehru Spring 2006 CLAS and SGS CORE OUT