

☆ ☆ ☆ ☆ ☆ COURSE ORGANIZATION ☆ ☆ ☆ ☆ ☆

GEOLOGICAL SCIENCES 0050 – Mars, Moon, and the Earth

Semester 1 2009-2010, G Hour (MWF, 2:00-2:50 PM), MacMillan Hall 117
Professor Michael Wyatt
Department of Geological Sciences, Lincoln Field Building 318A, x3-1118
Michael_Wyatt@Brown.Edu
Office hours: Mon 10-11 AM, Thur 1-2 PM, or by appointment

I. Teaching Assistants:

TAs will be responsible for helping you with any questions about the readings, exercises and tests, as well as about grades on your exercises and tests. You can visit either TA during their office hours. I am also always available for discussions during my office hours. See Geo 5 web site for updates to office hours.

Graduate Teaching Assistants

Kerri Donaldson Hanna (x3-3594)
Office: 301 Lincoln Field Building
Kerri_Donaldson_Hanna@Brown.Edu
Office Hours: Tues 3:30 - 4:30 PM
Fri 11:00 AM - 12:00 PM

Mark Salvatore (x3-3594)
Office: 301 Lincoln Field Building
Mark_Salvatore@Brown.Edu
Office Hours: Thur 10:00 - 11:00 AM
Fri 10:00 - 11:00 AM

II. Additional Faculty Participation

Research Fellow Dr. Caleb Fassett will also be participating in the course, giving lectures on Climate Change, Lunar Science, Mars Exploration, and filling in during my absence.

Dr. Caleb Fassett (x3-3827)
Office: 115 Lincoln Field Building
Caleb_Fassett@Brown.edu
Office Hours: Tues 11:00 AM - 12:00 PM
Thur 11:00 AM - 12:00 PM

III. General Course Information:

A. Textbooks: The two textbooks for the class are available free online! See the Geo 5 website for details.

Earth's Dynamic Systems AND Exploring the Planets

B. Academic Dishonesty: This is not tolerated in any form whatsoever. Please see web page for link to Academic Code. Suspected violators will be reported immediately and directly to the Dean.

IV. Schedule of Tests and Exercises:

The following list indicates the titles of the exercises that will be assigned this semester and the approximate times they will be distributed. Together, these exercises make up 35% of the final grade. They are designed to supplement the text and lectures. Each will have a due date indicated on the exercise. Two exercises (Analysis of Lunar Samples returned by the Apollo Astronauts and visiting Mars with virtual reality) require attendance at specially arranged afternoon or evening sessions. The times and locations of these activities will be announced the week preceding the exercise.

All exercises should be returned at class or put in your graduate TA's mailbox (first floor, Lincoln Field Bldg.) no later than 5 PM on the due date. 10% will be deducted from the grade of exercises submitted late. No exercises will be accepted after the exercise has been graded and returned. If you are not in class when an exercise is distributed or returned, you may pick it up in the front hall of Lincoln Field Building. Needless to say a conscientious effort to complete these exercises in a timely fashion will help you in keeping up with the course material and will provide a solid grade base.

EXERCISE DISTRIBUTION DATES

Exercise 1 – Google Earth Lab:
Handout September 14th Due September 18th

Exercise 2 – Snowball Earth:
Handout September 21st Due September 25th

Exercise 3 – Google Moon Lab:
Handout September 28th Due October 2nd

Exercise 4 – Moon Rocks Lab:
Week of October 5th Due October 9th

First Hour Exam: Wednesday, October 14th

Exercise 5 – Beyond Water on Mars:
Handout October 19th Due October 23rd

Exercise 6 – Google Mars Lab:
Handout October 26th Due October 30th

Exercise 7 – Virtual Reality Lab:
Handout November 2nd Due November 6th

Second Hour Exam: Friday, November 13th

Exercise 8 – What is a Planet?:
Handout November 16th Due November 20th

Final Examination: Monday, December 14th at 9 AM

V. Other Available Information

Portions of the class material will be available on the web. Most material will also be made available on paper.

Planetary Geology and Geo 5 Home Page: For general information, consult Brown University Planetary Geoscience's home page at <http://www.planetary.brown.edu/>. You can access the Geo 5 home page at <http://www.planetary.brown.edu/planetary/geo5/>. In addition to course information, our favorite NASA and other data sources are there.

VI. Other Optional Activities

A. Videos and DVDs on the History and Findings of Solar System Exploration:
We have available in the Planetary Data Center (second floor of Lincoln Field Building) a series of videos and DVDs on various missions (Pioneer, Viking, Apollo, Voyager, Magellan, Space Shuttle, Mars Exploration Rovers, etc.) and their results. The Data Center is open Monday-Friday and arrangements can be made to view the videos in the Data Center during the day throughout the semester. Contact Peter Neivert, Data Center Coordinator (x3-3243).

B. Guest Lecturers: From time to time the Department of Geological Sciences and the Planetary Geology Group will have guests who will be giving talks on topics of interest in planetary geology.