COURSE ORGANIZATION

GEOLOGICAL SCIENCES 0050 – Mars, Moon, and the Earth

Semester 1 2012-2013, MWF 2:00-2:50 PM, MacMillan Hall 115

Professor James Head
Department of Geological Sciences, Lincoln Field Building 104 (x3-2526)
James_Head@Brown.edu
Office hours: Wed 3-5 PM or by appointment

I. Teaching Assistants:
Your TAs, Deepak Dhingra and Lauren Jozwiak, will be responsible for helping you with any questions about the reading, exercises and exams, as well as about grades on your exercises and exams. I am also always available for discussions during my office hours (Wed 3-5 PM or by appointment).

Graduate Teaching Assistants
Deepak Dhingra (x3-3481)
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101 Lincoln Field Building

Lauren Jozwiak (x3-3827)
Lauren_Jozwiak@brown.edu
117 Lincoln Field

Undergraduate Teaching Assistants
Maria Hernanadez
Maria_Hernandez@brown.edu

TBD

II. General Course Information:

A. Textbooks: The two textbooks are available free online! See the GEOL 0050 website for details.

- Exploring the Planets (2nd edition © 2007), Christiansen & Hamblin), online at http://explanet.info/

B. Academic Dishonesty: This is not tolerated in any form whatsoever. Please see web page for link to Academic Code (http://www.brown.edu/gradschool/academics-research/rules-regulations/academic-code). Suspected violators will be reported immediately and directly to the Dean.
III. 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. These exercises count ten points each and together 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. One exercise (Exercise 3: Analysis of Lunar Samples Returned by the Apollo Astronauts) requires 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 TA’s mailbox (first floor, Lincoln Field Building) 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, or download it online. 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 and DUE DATES

<table>
<thead>
<tr>
<th>Exercise</th>
<th>Distribution Date</th>
<th>Due Date</th>
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<tbody>
<tr>
<td>Exercise 1</td>
<td>Handed out September 14th</td>
<td>Due September 21st</td>
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<tr>
<td>Exercise 2</td>
<td>Handed out September 21st</td>
<td>Due September 28th</td>
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<td>Exercise 3</td>
<td>Handed out September 28th</td>
<td>Due October 5th</td>
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<td>Exercise 4</td>
<td>Handed out October 19th</td>
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<td>Exercise 5</td>
<td>Handed out November 2nd</td>
<td>Due November 9th</td>
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<td>Exercise 6</td>
<td>Handed out November 30th</td>
<td>Due Thursday, December 13th</td>
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Hour Exam: Friday, October 12th

Final Examination: Thursday, December 20th at 2 PM

IV. Other Available Information

Portions of the class material will be available on the web. Most material will also be distributed on paper.
Planetary Geology and GEOL 0050 Home Page: For general information, consult the Brown University Planetary Geoscience home page at http://www.planetary.brown.edu. You can access the GEOL 0050 home page at http://www.planetary.brown.edu/planetary/geo5. In addition to course information, our favorite NASA and other data sources are there.

V. Other Optional Activities

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 DVDs on various missions (Pioneer, Viking, Apollo, Voyager, Magellan, Space Shuttle, Mars Exploration Rovers, Cassini, MESSENGER, etc.) and their results. The Data Center is open Monday-Friday and arrangements can be made to view these in the Data Center during the day throughout the semester. Contact Peter Neivert, Data Center Coordinator (x3-3243 or Peter_Neivert@Brown.edu). You can also download most of this information from online websites.

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. In addition, in Geo 50, Apollo 15 Commander David R. Scott will discuss his trip to the Hadley-Apennine region of the Moon during the semester, on Wednesday, October 17th.