GEOLOGY 104 – Geology of the National Parks and Monuments
Spring Semester, 2005

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Geology 104 on WebCT Compass: You can access important information about the course from WebCT Compass (https://compass.uiuc.edu/). You will need your NetID and password to login. Once you have logged on, look for Geol 104 link. Student Help for Compass: consult@uiuc.edu

Email on WebCT Compass: (VERY IMPORTANT) You should set-up WebCT Compass mail to forward messages to your email address so I can notify you of any last minute changes or announcements. From the Geology 104 page in Compass, click on ‘Mail’ and then on the forwarding button (icon of a little envelope with an arrow). Enter the address of the email account you use daily. Do not use WebCt mail to communicate with me. Instead, use my email address provided above.

Grades on WebCT Compass
Student grades are available on WebCT Compass. Simply click on ‘my grades’ while at the Geol 104 site. Check your scores regularly to ensure our records agree with yours and report any differences to your TA immediately.

List of Topics:

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<tr>
<th>Topics</th>
<th>Topic</th>
<th>Reading</th>
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<td>NO CLASS January 17th: MLK Day</td>
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PART I: Introduction
(Themes: basic geologic concepts)
1 Course outline and organization
2 Formation of the Earth and Plate Tectonics
3 The Earth’s crust 13-15
4 Geologic time 1-6
PART II: The Colorado Plateau Province
(Themes: Sedimentary environments; geologic time; desert landscapes)
5  Grand Canyon  7-28
6  Zion, Cedar Breaks and Bryce  29-54
7  Canyonlands and Arches  67-90
8  Mesa Verde, Monument Valley, Petrified Forest  91-114

PART III: Highlights of the continental interior
(Themes: Cratons; more rocks; erosion; groundwater/karst; glaciation)
9  Badlands; Devil’s Tower  115-128
10  Carlsbad; Mammoth Cave  221-232; 191-208
11  Voyageurs  295-305

PART IV: The Appalachian Mountains
12  Adirondacks; Acadia  321-336;
13  Great Smokey Mountains  821-831

PART V: Eastern North American Cordillera
(Themes: Rocky Mountains; rifts; hot-spots; more glaciers)
14  Rocky Mountain; Glacier  337-350; 357-372
15  Yellowstone; Craters of the Moon  619-642
16  Grand Teton  643-663
17  Death Valley  713-738

PART VI: Western North American Cordillera and Hawaii
(Themes: Convergent boundaries; transform boundaries; more volcanoes)
18  Yosemite; Sequoia and King’s Canyon  385-402; 739-754
19  Point Reyes  ---
20  Mt. Rainer; Mt. Saint Helens  505-526
21  Crater Lake; Olympic  427-540; 417-436
22  Hawaii Volcanoes; Haleakala  575-592; 593-602
23  Glacier Bay; Wrangell; Denali  437-452; 453-460; 477-504

PART VII: Coastal Regions
(themes: Formation of coasts and reefs)
24  Cape Code  ---
25  Virgin Islands; Everglades  243-252; 253-264

Lectures: Lectures meet at 11:00 am (M, W) in Room 124 Burrill Hall. I strongly suggest you attend all lectures.
Readings: I suggest you read the readings prior to the lectures. This will provide you with a foundation for the information presented in lecture.

Exam Schedule:
- **Exam I** on Wednesday, February 23rd;
- **Exam II** on Wednesday, April 6th;
- **Final Exam** on Wednesday, May 11th at 8-11 am.

Exams: There are three exams (given during lecture meetings) and a final exam. See the exam schedule for the exam dates above. Lecture exams will be completed during the lecture period. The final exam will be given at the time designated by the University (see Exam Schedule above). Exams emphasize the material discussed in lecture and will include text readings that are directly relevant to lecture topics. (Occasionally, in class I may assign specific readings on topics not covered in lecture – you will be responsible for these on exams too).

Prior to each exam, Dr. Stewart will hold a one-hour question-and-answer session to help you prepare for the exam. The date, time, and place of each review session will be announced in class and posted on WebCT Compass. Plan in advance to review your notes prior to the session so you can ask questions about any material that you do not understand. Plan to attend the review sessions even if you feel comfortable with the material because questions will certainly arise that you have not considered.

Bring your student ID to all exams. You will need it as identification when you hand in the exam.

Conflict and make-up exams will be available only to those students having valid excuses -- personal travel, convenience, or "not being prepared" are not acceptable. If you want to request a conflict exam, please see Dr. Stewart at least one week before the scheduled exam. Be prepared to verify that you have a valid excuse. If you have a medical or family emergency immediately before an exam, please call Dr. Stewart as soon as possible (e-mails not accepted). A student who misses an exam for whatever reason must contact Dr. Stewart within one day after the scheduled exam. Failure to do so will result in a "0" for the exam. The University regulations on conflict final exams are described after the final exam schedule at the end of the Spring 2005 Timetable. If you believe that you have a conflict with the Final Exam, be sure to inform Dr. Stewart no later than April 25th.

Study hints in preparing for exams: Because exams emphasize material covered in lectures, it is very important that you attend lectures and take good notes. Taking good notes during class, re-writing your notes after class and reviewing them on a regular basis is the best way to absorb and "master" the material presented in lecture. Concentrate on topics in assigned text readings that are covered in lectures, and spend less time on topics that are mentioned briefly (or not at all) in lectures. The questions in the text readings and the summaries at the end of each chapter are useful in preparing for exams.
Students who did well in previous semesters of Geology 104 sections were asked the "secret of their success." Here are their suggestions:

1. Try to make time for the readings.
2. Make sure to review all of the lecture notes. Try this in groups with your friends.
3. Attend the lectures
4. Use the book to help clarify anything from the notes or questions that you do not understand.
5. Don't wait until the day before the exam to start reviewing.
6. Review text summary questions before the test.

**Course grading:** Grades are based on the scores on homework, discussion assignments, the hour exams and the final exam. The points and corresponding percentages are listed below:

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<tr>
<td>Laboratory</td>
<td>35</td>
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<tr>
<td>Exam I</td>
<td>20</td>
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<tr>
<td>Exam II</td>
<td>20</td>
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<tr>
<td>Final Exam</td>
<td>25</td>
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<td>Total</td>
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**Special Needs:** To obtain disability-related academic adjustments, and/or auxiliary aids, students with disabilities must contact the course instructor and the Division of Rehabilitation-Education Services (DRES) as soon as possible. To contact DRES you may visit at 1207 S. Oak St., Champaign, call 333-4602 (V/TDD), or e-mail a message to Judith Kincaid at <jkincaid@uiuc.edu>. The DRES web site address is (http://www.als.uiuc.edu/dres/).

YOU MUST ATTEND LABORATORY TO RECEIVE CREDIT FOR IT!!

BRING YOUR LAB TEXT TO EACH LABORATORY MEETING!!

READ BEFORE CLASS AND LAB!!

All laboratory sessions meet in NHB 259. Almost all sections are full, so please attend your scheduled session. We will provide administrative information about lab sessions during the first meeting.