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### GEOL 100.01: General Geology

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# GEOL 100 - General Geology

## Spring 2002 - Section 1

### Professor:

Christine Brick.

Office: SC 329, Office hours: Monday and Wednesday 10-11, or by appointment

Contact: 243-5778 or [brick@selway.umt.edu](mailto:brick@selway.umt.edu)

### Course Web Page:

Go to the Geology Dept. home page <http://www.cs.umt.edu/GEOLOGY/> then click on Course Web Pages

### Textbook:

Modern Physical Geology, 2<sup>nd</sup> Edition by Thompson and Turk

You are expected to read the assigned chapters before class. A copy of the textbook is available on reserve at the Mansfield Library.

### Exams and Grading:

There will be three midterm exams given during the semester. Of these, we will drop the lowest score, and each of the other 2 exams will be worth 30% of your grade. The final exam will be comprehensive (covering all lecture material for the semester) and will count for 40% of your grade.

Please plan to take exams on time. Because this is a large class it is not possible to provide make-up exams, therefore **no makeup exams will be given**. Please also be aware that University regulations forbid early final exams. Make your travel plans accordingly.

Exam questions will be based on lectures and the text, especially on those subjects in the text that we focus on in lecture. To study for exams, I recommend reviewing lecture notes and the questions at the end of each chapter in the text. In addition, practice exams are available on the course website and exams from the previous semester are on reserve at the library.

### Dates to Remember:

- February 15<sup>th</sup> - Last day to drop or add by Cyberbear and last day to receive a full refund for classes dropped.
- March 11<sup>th</sup> - Last day to drop with instructor/advisor signatures on a drop/add form. A WP or WF will appear on transcript after this day. Also last day to change section or grading option (P/NP or traditional letter grade).
- May 10<sup>th</sup> - Last day for drop or change grading option petitions

## Tentative Lecture Syllabus and Assigned Readings:

Date - Day		Read Chapter:	Topic
Jan. 28	M	1	Why study geology? Introduction to the Earth.
30	W	2	Plate tectonics
Feb. 4	M	2	Plate tectonics
6	W	3	Matter and minerals
11	M	4	Igneous rocks and igneous landforms
13	W	5	Volcanoes and plutons
18	M	President's Day - No Classes	
20	W	<b>1st Midterm Exam - Covers lectures and readings (Chapters 1-5)</b>	
25	M	6 & 7	Weathering and Sedimentary rocks
27	W	8	Metamorphic rocks
Mar. 4	M	9	Geologic Time
6	W	10	Earthquakes
11	M	10	Earthquakes
13	W	<b>2nd Midterm Exam - Covers lectures and readings (Chapters 6-10)</b>	
18-20	M,W	Spring Break - No Classes	
25	M	11	Ocean basins and Continents
27	W	12	Geologic Structures and Mountain-building
April 1	M	13	Surface Processes - Landslides
3	W	14	Streams and floods
8	M	14 - 15	Streams - Groundwater
10	W	15	Groundwater and Wetlands
15	M	16	Deserts
17	W	<b>3rd Midterm Exam - Covers lectures and readings (Chapters 11-16)</b>	
22	M	17	Glaciers
24	W	17, 20	Glaciers and Climate Change
29	M	19	Geologic Resources - Minerals
May 1	W	19	Geologic Resources - Energy
6	M	21	Putting it all together - Geologic history of Montana and North America
8	W	21	
13	M	<b>Final Exam - Comprehensive (covers all material from the semester) 10:10 - 12:10 AM</b>	