

Fall 9-1-2000

GEOL 101.01: Introduction to Geology Laboratory

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GEOLOGY 101 Lab - Autumn, 2000

Overseeing Instructor: Marc Hendrix (SC 331; x5278)

Tentative course outline and assigned weekly reading

Office Hours: Mon. and Wed. 3-4 (immediately after class); otherwise as available

DATE	G100 LECTURE TOPIC (Hendrix section only)	LAB Reading Assignment
9/6	Introduction to Geology	NO LAB
9/11	Universe and Solar System	Minerals
9/13	First Look at Plate Tectonics	(Ch. 2, Busch and Tasa)
9/18	Matter and Minerals	Igneous Rocks and Minerals
9/20	Igneous Rocks	(Ch. 3, Busch and Tasa)
9/25	Volcanoes and Plutons	Sedimentary Rocks and Mineral
9/27	Weathering	(Ch. 4, Busch and Tasa)
10/2	Sedimentary Rocks	Metamorphic Rocks and Minerals
10/4	Metamorphic Rocks	(Ch. 5, Busch and Tasa)
10/9	Geologic Time	Campus Geology Field Trip
10/11	G100 Midterm Exam I	
(Note: October 16 is the LAST DAY to ADD/DROP classes.)		
10/16	Earthquakes	LAB MIDTERM EXAM
10/18	Earth's Structure	
10/23	Ocean Basins	Topo Maps & aerial photos (Ch. 7,
10/25	Ocean Basins	Busch and Tasa; Topomap software)
10/30	Geologic Structures	Earthquake hazards (Ch. 13
11/1	Mountain Ranges	Busch and Tasa; Epicenter software)
11/6	Structures of North America	Structural Geology /Geologic Time
11/8	MIDTERM EXAM II	(Ch. 14, Busch and Tasa)
11/13	Mass Wasting	Streams, mass movement, grndwtr
11/15	Streams and Lakes	(Ch. 8 and 9, Busch and Tasa;
		In-Terra Active software)
11/20	Streams, cont.	NO LAB
11/22	No Class - Thanksgiving travel day	
11/27	Groundwater	Glaciers, Deserts and Coastlines
11/29	Groundwater, cont.	(Ch. 10, 11, 12, Busch and Tasa)
12/4	Deserts	Montana Geology
12/6	Glaciers	
12/11	Coastlines	LAB FINAL
12/13	Geologic Resources	

The lab text for Geology 101 is the Laboratory Manual in Physical Geology (4th edition) by Busch and Tasa. This is an excellent lab manual and will provide the basis for much of the work you will do in this lab oriented course. Please make an effort to read over the lab manual chapter for each week prior to coming to lab. This will make the labs will run much smoother. In the past, those students who were prepared for the upcoming lab generally finished it in class.

In this lab course, you will complete 11 required labs, one midterm exam, and a final exam. The final will be cumulative, but will focus specifically on material covered since the midterm exam. All together, there will be 200 possible points in this lab course. The points will be distributed as follows: Each of the 11 labs will be worth 10 points each. We will drop your lowest score, so the labs will comprise 100 points total or 50% of your final grade. The midterm is worth 40 points or 20% of your final grade and the final exam 60 points or 30% of your final grade.

Labs will be due at the beginning of class time, one week after they are assigned. After the due date, your lab score will be given a zero. Late labs will not be accepted.

You may attend another lab section only if you arrange it prior to class time with both the instructor whose class you are not attending and the instructor whose class you would like to attend. This can be accomplished by email or by visiting the instructors office (preferably during office hours or prior to lab). Otherwise you must attend your scheduled section. Failure to do so will result in zero for that week's lab. If you attend another instructor's class, it is your responsibility to return your lab to your regular instructor at the beginning of the following week's lab session. Failure to do so will result in a score of zero for a lab you completed.

Please retain all of your returned labs for the entire semester. If there is an error in recording a lab grade, the grade will not be changed unless the graded lab itself is shown to the TA.

G101 TA contact information:

TA's Name	Office number	Office phone (msg. only)	email address
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