

GEOLOGICAL SCIENCES 201L: THE DYNAMIC EARTH LAB

FALL 2018 - SYLLABUS AND SCHEDULE

Welcome to the lab associated with GLG201: The Dynamic Earth! In lab, we'll try to advance your understanding of textbook readings and lectures by touching rocks, using maps to answer questions, and applying our academic knowledge to real-world situations.

Instructors

Lindsay Putman

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Office Hours: Wed 12:30-1:30pm

Thu 11:30-12:30pm

Chanse Ford

Office: 316 Natural Science Bldg.

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Office Hours: Tu 9:00-10:00am

Wed 11:00-12:00pm

Sec	Dav	Time	Room	Instructor
001	M	10:20-12:10	316 NS	Chanse
002	M	12:40-2:30	316 NS	Lindsay
003	M	3:00-4:50	316 NS	Chanse
004	Tu	10:20-12:10	316 NS	Chanse
005	Tu	12:40-2:30	316 NS	Lindsay

Required Lab Materials

- Course packet (not procuring a course packet will result in lost points)
 - Long, D.T. (2018) Geological Sciences 201 Laboratory Exercises for *The Dynamic Earth* (A course packet available at the Student Book Store (SBS) -- 421 E. Grand River).
- Lab text
 - Hamblin and Howard (2005) Exercises in Physical Geology (other editions may be fine, please check, and note that numbers and exercises may have changed)
- Calculator, pencil and ruler (**bring to every class!**)

Lab Policies

Be on time: You will be responsible for any information missed, and may lose credit for work due at the beginning of class that is not handed in at the start.

Be respectful of the other students and instructors using our lab room. Please put all lab materials away where you found them and wipe down tables if necessary. This cuts down on preparation time between labs and is a big help to instructors and students- so *thanks a ton* in advance!

Work together, but submit your own work: You are encouraged to work in groups on lab assignments. Teamwork in and out of class is encouraged. However, you must turn in **your own original work**. Answers must be written in your own words; plagiarized work will receive 0 points. Please see the MSU student handbook for details on plagiarism.

Attendance: Lab attendance is **mandatory** to receive a passing grade! If you know you will be absent or have a verifiable excuse (please see MSU student handbook for acceptable university excuses), you may make the lab up by attending another section.

Make-up labs: Make up labs are only offered to students with MSU verifiable excused absences or to those who receive consent from his/her TA. To attend another section you must:

- 1) Get approval from your TA, **AND**
- 2) Email the TA of the section you'd like to attend (cc your instructor) and request to attend.

During a make-up lab, you must turn in your work as you would during your regularly scheduled lab time. Make up requests that cannot be accommodated by attending another section are possible, but are at the discretion of your instructor and requests must be submitted in writing and completed within **one week** of the absence. Regretfully, some labs **cannot** be completed individually and make ups are not offered (see Lab schedule below). If you think you may miss one of these labs, be sure to talk to your TA as soon as possible.

Grades

There are 11 labs each worth 100 points, 2 lab practicals (exams) worth 200 points each, and one 50 point homework assignment associated with the Geologic Time lab. Each lab is composed of three parts:

- Pre-Lab assignment (**10 points**)- Due at start of lab
- Lab assignment (**90 points**)-Due at end of lab
- “The Web” (optional; up to **10 points extra credit**)- Due at start of lab

Total potential points per lab= 110/100

Total semester points (w/o extra credit)= 1550/1550

Total semester points (with extra credit)= up to 1666/1550

If you have questions/concerns regarding your grade in lab, please see your TA either during office hours or by appointment; MSU policy does not allow grade information to be given via email or over the phone.

Assignments

Lab topics do not always coincide with the lecture material. For this reason, it is **your responsibility** to read the assigned reading and complete the pre-lab assignment (usually terms or short answer) before the start of each lab. This is intended to optimize your time in lab, allowing you to complete tasks more efficiently. “The Web” activities associated with each lab are extra credit and due the following week at the start of lab. “The Web” activities are your only opportunity for extra credit. If you are late to class, you will not receive credit. These are easy points so get to class on time, turn in your pre-lab assignment, and do your Web activities!

All lab exercises are due at the end of lab unless you are informed otherwise by your instructor. Late assignments will not receive full credit (see *grades* section). All labs must be **legible** and completed in **pencil** to receive full credit. Late labs may be accepted by your instructor, but you may only receive up to 50% of your original score.

Lab Practical

There are two lab practicals that will take place during your regularly scheduled lab period. The practicals will consist of a series of rotating stations with materials and questions similar to topics covered in lab. Unlike lab, you will be working independently (not in groups). You **MUST** bring a calculator, pencil and ruler on the day of the lab practical (some spares will be available, but they are first come-first serve). The final practical is not cumulative.

Lab Schedule

**Note: Labs in grey are not eligible for make-up*

Class Week	Lab Topic	Chapter in Hamblin	Chapter in Long
27-Aug thru 3-Sep	Introduction and Working with Numbers	n/a	IX
10-Sep	Geologic Time	6	2
17-Sep	Minerals	1	5
24-Sep	Topographic Maps	7	8
1-Oct	Sedimentary Rocks	4	7
8-Oct	Work of Running Water	8, 9, 10	12
15-Oct	Work of Ice	12, 13	11
22-Oct	LAB PRACTICAL 1 (Midterm)		
29-Oct	Water Underground	11	10
5-Nov	Plate Tectonics	3	3
12-Nov	Igneous Rocks	5	4
19-Nov	Metamorphic Rocks	18, 19, 20, 21	6
26-Nov	Earth Deformation	16	1
3-Dec	LAB PRACTICAL 2 (Final)		