

GEOSCIENCE 101

Instructor: Ann Tattersall

Office: Wilkinson 221; Phone: 737-6993

Office Hours: M, T 2:30-3:30; W, R 10:00-11:00

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SECTION 1: COURSE OUTLINE WITH DATES

Lectures: Monday-Wednesday-Friday 12:00 p.m.

WEEK & DATES	TOPICS	READING	
1. 9/25-27 9/29	Overview of the Earth System Minerals: The Ingredients of Rocks	Ch 1 Ch 2	
2. 10/2-4-6 10/6	Minerals: The Ingredients of Rocks Rocks: Records of Geologic Processes	Ch 2 Ch 3	
3. 10/9-11-13	Igneous Rocks and Volcanoes	Ch 4, 5	Homework 1 Due 10/11
4. 10/16 10/18-20	Volcanoes Sediments and Sedimentary Rocks	Ch 5 Ch 7	Homework 2 Due 10/18
5. 10/23 10/25-27	Sediments and Sedimentary Rocks Metamorphic Rocks	Ch 7 Ch 8	
10/30	MIDTERM EXAM You must take the exam in the lecture section for which you are registered.		
6. 11/1-3	The Rock Record and Geologic Time	Ch 9	
7. 11/6 11/8-10	The Rock Record and Geologic Time Folding and Faulting	Ch 9 Ch 10	
8. 11/13-15-17	Earthquakes	Ch 18	
9. 11/20-22 11/24	Interior of the Earth THANKSGIVING HOLIDAY	Ch 19	
10. 11/27-29-12/1	Plate Tectonics: The Great Synthesis	Ch 20, 21	
12/5 Tuesday 2:00 p.m.	FINAL EXAM You must take the exam in the lecture section for which you are registered.		

LABORATORIES

Laboratories are required. You cannot pass the course if you do not register for lab. Neither can you pass if you fail to attend lab or if you fail to turn in your labs *on time*.

You must attend the lab section for which you are registered. If you are unable to register for a lab section that fits into your schedule, please talk to the TA or Instructor Tattersall ...and keep trying to register. If someone drops the section you want, you may get in by the second week of classes.

There are 8 labs. There are no labs the first week and no labs Thanksgiving week.

Your lowest lab score will automatically be dropped. This means if you miss one lab, your zero score for that lab will be dropped. Therefore, you need not worry if you are sick or have an appointment that causes you to miss lab once.

You must attend lab for the full 2 hours in order to receive credit for any work you turn in. You may leave lab early only if you turn in your completed work to your TA before leaving. Labs are designed to be done during the two hour lab meeting time. This means that you should usually complete the lab and turn it in the day it is assigned. Some people like to take labs home and check over them again, or may not have quite finished. To accommodate these people, labs are officially due *two weekdays* after you did them in class. To turn in labs after the day they were assigned, please take them to your TA's office or to the Geoscience Office in Wilkinson Hall with your TA's name clearly written in big letters at the top of the page. Labs will not be accepted more than 2 weekdays after the day they were assigned. Weekdays are Monday -Friday.

LAB TOPICS

DATES	LAB	TOPIC
10/2-6	1.	Geologic perspectives and scale
10/9-13	2.	Minerals and ores
10/16-20	3.	Intrusive igneous rocks
10/23-27	4.	Extrusive igneous rocks
10/30-11/3	5.	Sedimentary and metamorphic rocks
11/6-10	6.	Folds and unconformities
11/13-17	7.	Faults and earthquakes
11/27-12/1	8.	Geologic images, maps and cross-sections

HOW YOU WILL BE GRADED AND OTHER MYSTERIES

Grading Basis:

Midterm Exam	20%
Final Exam	36%
Labs (7x5%)	35%
Homework (3x3%)	9%

There are 8 labs. *Your lowest lab score will be dropped, so only 7 scores count.*

There are 4 homework exercises in the back of your lab book. More information will be given in class. Your lowest score will be dropped, so only 3 scores count. Due dates for homework in the lab book are incorrect. *Due dates for labs 1 and 2 are given on page 1 of this syllabus.*

If you miss the midterm, you will be given an essay question make-up midterm. It will be your responsibility to arrange this with the instructor.

Exam Security

To assure that those who are taking the exams are, indeed, the same people who are registered for the class, random checks of identification *may* be conducted at the beginning of each exam. Please bring your OSU identification with you to the exams. If you don't have it, your TA will be asked if they recognize you. Get to know your TA by being on time to lab every week.

If someone is making you uncomfortable during an exam, or if you feel someone is trying to copy your exam answers, please ask the instructor or a TA to move you to another seat. We will do our best to help.

Special Arrangements

If you have a disability and need special arrangements during exams, lectures or labs, please notify the instructor during the first week of class. She can work with you and the Services for Students with Disabilities office to accommodate your needs. Their phone number is 737-4098, T.D.D. 737-3666.

How to Succeed in this Class

1. Attend lectures and take careful and complete notes. Write down as much as you can from the overhead transparencies.
2. Do the assigned reading. It is important to keep up. Do the reading during the week that it is assigned. If it is impossible to finish all the reading, read at least part of it, skim the rest, and study all the diagrams and illustrations. It might be helpful to study the text illustrations as you review your lecture notes.

Chapters to read are given on the first page of this syllabus. More detail will be given in lecture each time we start a new topic. If you are late to class, you will miss it!

3. Go to lab, do the lab assignment, and turn it in on time, even if it isn't finished or correct. Late labs will not be accepted, but partially complete or partially correct labs will get partial credit, which is a lot better than no credit.
4. Study for the exams. Before each exam, you should spend several hours reading through your notes, quizzing yourself and answering review questions. It is helpful to work with one or two other people, and quiz each other. It will help to have your text handy while you are reviewing, but reading the text for the first time just before an exam is next to useless.
5. There is a class website. The web address is
<http://rocky.geo.orst.edu/~introgeo>
The website will have the syllabus, lecture outlines, office hours of instructor and teaching assistants, exam dates, some review questions, and other material. Use the lecture outlines and review questions on the website to help you study for the exams. If you need help using the website, ask a friend or classmate, your teaching assistant, or Instructor Tattersall.

Another note: We do not judge the worth of a person on their grades. We want you to do your best, but we understand that you have other classes and other responsibilities. It is o.k. not to do as well as someone else. Just do the best you can. We appreciate your effort, although we assign grades on "results."

Please talk to your lab instructor (teaching assistant) or Instructor Ann Tattersall if you are having trouble with the class or any difficulty that interferes with your ability to concentrate, to study, or to learn. We will do our best to help. If you don't want to talk to us about it, you may want to go to Student Health Services, phone 737-WELL. They can help, or can refer you to someone who can help. You aren't alone. Many of us have had serious difficulties at some time in our lives, both academically and personally.

T.A. Office Hours will be announced in lab the first day, and will be posted on the website.