

ES 201W: Principles of Geology - Internal Processes of the Earth (CRN: 10460), Fall 2005

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Office Hours: M 2-4, W 3-5, R 11-12, by appointment, or feel free to drop in most times.

Text: Essentials of Geology, S. Marshak, 2004.

Lab Manual: Laboratory Manual in Physical Geology, 6th ed., Busch.

Note: Both the textbook and lab manual will be used in Earth Science 202 taught during winter term 2006.

Grading Scheme:

Midterm Exam (Monday, October 31)	125 points
Final Exam (Monday, December 5).....	150 points
Laboratory (ID Exam, Exercises, Quizzes).....	125-150 points
Writing Assignments	50 points
<u>In-class Activities/Quizzes</u>	<u>50 points</u>
TOTAL	500-525 points

<u>WEEK</u>	<u>DATE</u>	<u>LECTURE TOPICS</u> (tentative)	<u>READING</u>	<u>LAB</u>
1	9/26-9/30	Course Overview Origin/Overview of Earth	Prelude (p. 1-8) Ch. 1 (p. 15-20)	No Labs this week.
2	10/3-10/7	Introduction to Interior of Earth Plate Tectonics	Ch. 1 (p. 25-32) Ch. 2 (p. 54-76)	Lab 2 - Plate Tectonics
3	10/10-10/14	Plate Tectonics <i>continued</i>	Ch. 2 <i>cont.</i>	Lab 3 - Physical Properties of Minerals
4	10/17-10/21	Chemistry of Earth Materials Minerals: Composition & Structure	Ch. 3	No Labs this week.
5	10/24-10/28	Intro. to Rocks/Rock Cycle Overview of Igneous Rocks	Interludes A & B Ch. 4 (p. 105-107; 112-122)	Lab Quiz - Tectonics Lab 3 cont. - ID Minerals
6	10/31-11/4	Midterm Exam: Mon. Oct. 31 Origin of Magma and Igneous Rock Compositions	Ch. 4 (p. 107-113)	Lab 5 – Study of Igneous Rocks
7	11/7-11/11	Origin Igneous Rocks <i>cont.</i> Metamorphic Rocks No class: Fri. Nov. 11	Ch. 6	Lab 7 - Study of Metamorphic Rocks
8	11/14-11/18	Volcanoes and Volcanism Volcanic Hazards in Pac NW Deformation of Rocks	Ch. 7 Ch. 9 (p. 250-52, 257-260)	Rock/Mineral ID Exam Lab 9 - pts. A-D: Topographic Maps
9	11/21-11/25	Structural Geology No class: Fri. Nov. 25	Ch. 9 <i>cont.</i>	Lab 10: Geologic Structures, Maps, and Block Diagrams
10	11/28-12/2	Earthquakes & Interior of Earth Earthquake Hazards in Pac NW	Ch. 8 & Interlude C	Quiz – maps & structures Lab 16: EQ Epicenter Determination
Finals	12/5-12/9	Comprehensive Final Exam:	Mon. Dec. 5, 10-12	Verify date and time in schedule of class.

Course Policies:

- Generally, there will be no make-up labs. You are responsible for attending your scheduled lab section. This is especially important for lab quizzes and the ID exam.
- Quizzes may or may not be announced, and occasionally, in-class assignments will be conducted. It is your responsibility to attend class, to be prepared for quizzes (and exams, of course), and to complete in-class activities and assignments. You must provide an acceptable Medical or other "Official" excuse in order to make-up quizzes and assignments. I will not give a quiz or accept an assignment after I have returned it to the other students. In short, **attendance is STRONGLY recommended!**
- Out-of-class assignments are due at the time specified. Late papers will not be accepted.
- The dates of the exams will not change. If you are prevented from taking an exam by some *verifiable* catastrophe contact me as soon as possible. I fully realize that unfortunate, emergency situations arise. However, in the event you will miss an exam for this reason, you must notify me at your earliest convenience. In the event of an emergency, you can also contact the Office of Student Affairs (8-8821), and this office will contact your individual instructors regarding the situation. I will not give an exam after I have returned it to the other students.
- Any cheating on quizzes, exams, assignments, or activities will result in ZERO points for that assignment. A possible recommendation may be made to the Department Chair and WOU Administration for additional consequences. **CHEATING IS UNACCEPTABLE!**
- The deliberate use of another student's materials and/or not citing references for materials incorporated into any writing assignments is plagiarism and will also result in the consequences described above.
- Working together on "group" lecture and lab activities/assignments is not considered cheating, unless you do not participate fully, copy another person's work, and put your name on it.
- Please be respectful by refraining from talking while others are talking.
- *Work hard and have fun!*