

## ESS 101 Spring 2010

**Instructor:** Terry Swanson  
**Office:** 161 Johnson Hall  
**Email:** tswanson@u.washington.edu  
**Web:** faculty.washington.edu/tswanson (all pertinent class information and powerpoint slides)  
**Office Hours:** M 11:30 am-12:20 pm and M & F 9:00-10:00 am (or by appointment)

**Text:** Chernicoff and Whitney, *Geology Any Edition.*, Houghton and Mifflin.

**Grades:** Your grade will be determined as follows:

Laboratory	<b>140 points (20 points as exam questions)</b>
Midquarter Exam	<b>110 points</b>
Final Exam	<b><u>150 points</u></b>
TOTAL	<b>400 points</b>

The midquarter and final exams will be multiple choice. Bring *SCANTRON* forms to both examinations. These can be purchased at the “By George” news stand and at the Hub store. Both examinations cover material from lecture and the text. The final examination will give greater emphasis to material covered in the second half of the quarter. Laboratory quiz questions will be given on the midterm and final exams.

**Laboratory:** The laboratory is intended to introduce you to the practical applications of geology through group lab exercises and lab field trips. You are expected to attend all weekly laboratory sessions. **You can only make-up two labs during the quarter in laboratory make-up sessions held in Johnson 30 (Days and Times TBA at the start of the quarter). Laboratory does not meet the first week of classes.**

**Honor System:** Rather than spend time trying to devise special tests, hire proctors, or compare papers, we have instituted an Honor System in this class: **Students pledge to do their own work on assignments and tests.** You may find that we are much more respectful and trusting of you compared to some other classes; please do not violate that trust by asking others to supply you with assignment and/or test answers. **I will go out of my way to help you learn, so please take advantage of my enthusiasm and not my trust!**

**Student Assistance:** My office hours are given above; however, if you are unable to make either of the above times, then **make an appointment with me** for a time that does not conflict with your schedule. We will also have weekly CLUE sessions offered in the evening at Mary Gates Hall. CLUE session days and time will be announced in lecture.

**Field Trips:** A program of optional field trips will be offered on certain weekend and weekdays highlighted near end of the quarter with “our night out at the movies” to the IMAX. There is no substitute for seeing geology first hand, so we encourage you to take full advantage of these opportunities. There will be a sign-up list in the T.A. office for those of you who would like to attend these trips. These field trips are meant to be enjoyable, and active learning experiences. All field trips leave from the “round-a-bout” northwest of Johnson Hall.

## LECTURE SCHEDULE

	READING	TOPIC
<b>Weeks 1-4</b>	Ch. 1 & 11 Ch. 1 and 12 Ch. 2 Ch. 3	Evolution of the Earth and Solar System; Geophysical properties Plate Tectonics; Rock Cycle Minerals Igneous Processes and Rocks
<b>Midterm</b>		<b>Wednesday April 28<sup>th</sup> (Kane 130) 10:30 – 11:20 am</b>
<b>Week 5-10</b>	Ch. 4 Ch. 5 Ch. 6 Ch. 8 Ch. 8 Ch. 7 Ch. 9 Ch. 10	Volcanism and Igneous Rocks; Volcanic Hazards Weathering Processes Depositional Environments and Sedimentary Rocks Stratigraphy and Geologic Time Numerical Dating Metamorphism and Metamorphic Rocks Deformation of Rock; Geologic Structures Earthquakes and Tectonic Hazards
<b>Final Exam</b>		<b>Monday June 7<sup>th</sup> 8:30-10:20 am (Kane 130)</b>