

ES 351: Geology For Educators (CRN 10465)

Fall 2005

Instructor: Dr. Jeff Myers
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Office Hours: Tues/Thurs 3-5, Wed. 3-4, by appointment, or any time my door is open
Text: Patrick L. Abbott, Natural Disasters 5th ed

Lab Manual: Provided

Objectives of the Course: The purpose of ES 351 is to familiarize you with the study of the Earth, including an understanding of Earth materials (minerals, rocks, etc.), earth dynamics (earthquakes, plate tectonics, etc.), and the way that these processes have shaped the Pacific Northwest. The course emphasizes techniques, tools, and concepts that translate readily into the K-12 classroom and address critical aspects of the Science Benchmakr Standards.

<u>Week of</u>	<u>Topic</u>	<u>Reading</u>	<u>Activity</u>
Sept. 26	Geology as a science Stratigraphy: The ordering of Geological events	Provided	Stratigraphy and geological time
Oct 3	Radiometric Dating and Tuesday mini-lab		NO LAB – Myers giving talk in Salem
Oct 10	Earth chemistry and minerals	Provided	Minerals
Oct 17	Rocks that form from magma: Intrusive igneous rocks (Tues) Intro to volcanoes (Thurs)	Provided	
Oct. 24	Extrusive igneous processes: volcanoes	Chapt. 6-7	Igneous rocks and processes
Oct 31	Plate tectonics: The dynamic earth	Chapt. 2 /4	Plate tectonics
Nov 7	Earthquakes and earthquake hazards	Chapt. 3	Earthquakes
Nov 14	Weathering and erosion	Chapt. 8	Topographic maps
Nov 21	Sediment transport and the hydrological cycle – Rivers and floods	Chapt. 12	
Thanksgiving Break Nov. 24-27			
Nov. 28	Sedimentary Rocks and their interpretation		Sedimentary Rocks

FINAL EXAMINATION (verify DATE and TIME in your class schedule)

Tuesday December 6, 6:00 PM in NS 218

The Fine Print

<u>Grading</u>	<u>% of course grade</u>
In class quizzes (3 out of 4)	33%
Final examination	33%
Lab (required)	36%

Grade Assignment:

My grading policy is simple. Grades will not be curved; however the grading scale is adjusted in such a way that the highest score given for any test or assignment is equivalent to a 100% score. Hence, if the highest grade given on a midterm is 93/100, grades will be calculated out of a score of 93, rather than 100. The mean percentage for my classes is approximately 78%, or a C+. You may feel overwhelmed by the material, but chances are that you are doing better in the class than you think.

Graded Assignments and Policies:

- Quizzes will be announced one or more lectures beforehand. Quizzes will NOT be cumulative, will emphasize material covered in homework questions, and may not be made up without a formal WRITTEN explanation. BLANKET EMAILS FROM YOUR COACH/CLUB ADVISER/PROFESSOR ARE NOT CONSIDERED "FORMAL", and I do not read them. The final examination WILL be cumulative.

Procedure for making up missed quizzes: Your first missed quiz will be your "dropped" quiz. If you will miss an additional quiz because of a game or club trip, IT WILL BE THE RESPONSIBILITY OF YOUR COACH OR CLUB ADVISOR TO ADMINISTER THE QUIZ TO YOU AND TO RETURN IT TO ME BY CAMPUS MAIL. I will send the quiz to your coach/advisor by campus mail beforehand with proper notification from you. In all other circumstances, you must arrange a time to make up the quiz during my office hours. Makeups may be oral or written.

- If for any reason you expect to miss class, **let me know beforehand if at all possible**. If you are going to be out of town for a game, you **MUST** tell me personally beforehand. There are no exceptions to these rules. If you cannot reach me, contact the Office of Student Affairs (88821), and they will notify me.
- If you would benefit from an alternative testing environment I encourage you to work with the Office of Disability Services (Werner Center 012 phone 88250).
- Cheating or copying in either lab or lecture is unacceptable, and will result in a ZERO score on that assignment, and may result in consequences at the administrative level.
- I do not assign incompletes in class unless specifically instructed to do so by the registrar.
- Office hours are YOUR time. Please use them to your benefit. If you would like to organize a study group during office hours, please do it. If you need to see me at a time outside of normal office hours time, please stop by or call. If I'm busy, please don't take it personally.