

Physical Geology 51-102 Lecture

Fall 2008

4 credits

Section A09C

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Class Schedule: Lectures Monday, Wednesday, and Friday 10:20-11:20am, Laboratory
Schedule available online:

http://www.uwosh.edu/faculty_staff/hiatt/Teaching/102/Labs_Fall_2008.html

Office Hours: Monday 2-3pm, Wednesday 1-3pm, or by appointment (please be aware that I am not on campus Tuesdays and Thursdays).

Important Dates: 9/9/08 = Last day to add without instructor signature; 9/30 = last day to add with instructor signature; 10/17 = last day to drop without late drop request or withdraw; Thanksgiving Break = November 26-30; Semester end = December 12; Graduation December. 13.

Grades: Your course grade will be based on three lecture exams (60%), your laboratory grade (30%), and podcasts** (10%). Note: you MUST attend the laboratory to pass the course, and you must pass the laboratory portion of this course to receive a passing grade in the overall course.

****Podcasts:** Podcasts are available via the website: <http://www.usgs.gov/corecast/>
These are brief (often ~5 minutes) discussions about current topics in geology. The goal of this exercise to immerse yourself in different topics in geology, and expand your writing skills. Please only use podcasts that are directly related to a geologic topic- if you choose a topic (for example Episode 60: So you want to host corecast) that is not directly related to geology, you will receive 0 points. If you are questioning a topic, please ask!

Your assignment will be to summarize the podcast (please note this may include some background research), and present you opinion on the topic. Your paper should be at LEAST 1 ½ pages in length, 12 point font, double spaced, and please cite any references used (please note websites are NOT suitable references). Please include the episode number, and the title of the episode on your paper.

Grade scale: 92% and up = A

87-91 = AB

82-86 = B

77-81 = BC

72-76 = C

67-71 = CD

60-66 = D

<60% = F

Exams: The lecture exams will be weighted equally, can cover material from lab, and will be in an objective multiple-choice format. **Bring a #2 pencil and YOUR STUDENT I. D. to each exam.**

The tentative exam schedule is: Exam 1 – Oct. 3
 Exam 2 – Nov. 7
 Exam 3 – Dec. 12

Attendance: The **material on the exams will come from the lecture and lab** so attendance in both is required if you wish to do well in the course. Please feel free to ask questions at any time, including during lecture; however, disruptive behavior, including talking during lecture & text messaging, is not acceptable and **will result in a lower course grade**. If you have a valid excuse and must miss an exam, contact me **BEFORE** the exam date. If you have a valid excuse, you may take a makeup exam.

Special Accommodations: Reasonable accommodations will be made for students with disabilities. Please contact Disability Services (424-3100 (voice) or 424-1319 (TTY)) or visit their web site at <http://www.uwosh.edu/dean/disabilities.htm> for the University's accommodation request form and documentation requirements. Information related to an individual's accommodation request will be kept confidential.

Academic Integrity: The Wisconsin Administrative Code states: "Students are responsible for the honest completion and representation of their work, for the appropriate citation of sources, and for respect of others academic endeavors." (§ UWS 14.01) Plagiarism and other forms of academic misconduct are serious offenses with severe penalties. See the [University of Wisconsin Oshkosh Student Discipline Code](#) for definitions of academic misconduct and details about procedures, sanctions, and other relevant information. Specific questions about the provisions in the Student Discipline Code should be directed to the Dean of Students Office. If you do not understand this statement, please see me as soon as possible.

Required text: Physical Geology, 2008, 13th edition** by Plummer, McGeary, and Carlson, McGraw Hill Publisher.

You can also use a web-based, e-book, version of this text for about half the cost of the paper version. To buy the e-book go to [McGraw Hill's website](#). Make sure you choose the 12th edition.

****The previous edition of this text is also acceptable.**

Required lab manual: Laboratory Manual for Physical Geology, 2008, 6th edition by Jones and Jones, McGraw Hill Publisher.

****This is the only edition of this lab manual that is acceptable.**

Note: a used lab manual is **NOT** acceptable.

Week of:	Topic and readings:	Chapter in Text
Sept. 1	Introduction to science and scientific inquiry; Earth in space and time.	Chapter 1 & p. 583-588
Sept. 8	Plate Tectonics I: Overview of how the Earth works.	Chapter 1 & 19
Sept. 15 Sept. 19 Podcast Due	Atoms, compounds, and minerals.	Chapter 2 & p. 569
Sept. 22	Rocks & plate tectonics; Igneous rocks; Formation of magmas.	Chapter 3 & p. 570
Sept. 29 Oct. 3 Exam 1	Volcanoes; Weathering, soils and global chemical cycles.	Chapter 4 & 5
Oct. 6	Reading the history of life: Sedimentary rocks.	Chapter 6
Oct. 13	Metamorphism and metamorphic rocks.	Chapter 7
Oct. 20 Oct. 24 Podcast Due	The vastness of Geologic time; relative age determinations; quantitative age determinations.	Chapter 8
Oct. 27	The hydrologic cycle; streams and floods.	Chapter 10 & 11
Nov. 3 Nov. 7 Exam 2	Groundwater.	Chapter 12
Nov. 10	Glaciers and glaciation; Climate change; Geologic record of climate change.	Chapter 15
Nov. 17 Nov. 21 Podcast Due	Plate tectonics II: Geologic structures (stress, strain, & folds).	Chapter 15
Nov. 24 Nov. 26 & 28 No Class	Plate tectonics II: Geologic structures (faults).	Chapter 16 & 17
Dec. 1	Earthquakes and how the Earth is constructed II.	Chapter 21
Dec. 8 Dec. 12 Exam 3	Earth resources.	Chapter 21