

Physical Geology 51-102 Lecture: Fall 2005 (4 credits)

Section: B09C

Instructor: Dr. Eric Hiatt

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Office hours: 10:30-11:30 M,W; 3:00-4:00 M,W,F, and by appointment or chance.

Class Schedule: Lectures: MWF 1:50-2:50 PM, Halsey 109.

Important Dates: Thanksgiving Break, November 23-28; Semester end, December 16.

Grades: Your course grade will be based on four lecture exams (60%), your lab grade (30%), and in-class exercises (10%). Note: you must attend the lab to pass the course, and you must pass the laboratory portion of the course to receive a passing grade in the overall course.

In-Class exercises will include written answers to questions, interpretive sketches based on photos shown to the class, and the use of [eInstruction](#) classroom performance system (CPS). A wireless response pad (must be activated/registered) is required for this course. You must go [online to activate the pad](#).

See this [UW-Oshkosh CPS web site](#) for step-by-step instructions on setting up your eInstruction response pad and technical support.

The class key is: **I13775I666**

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 October 5**
- Exam 2 October 28
- Exam 3 November 21
- Exam 4 December 14

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. 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: [Earth: portrait of a planet](#) , 2005, 2nd edition by Stephen Marshak; Norton & Co. Publisher.

Required lab manual: [Laboratory Manual for Physical Geology](#), 2006, 5th edition by Jones and Jones, McGraw Hill Publisher.

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

Physical Geology Lecture Schedule: Fall 2005

Week of:	Topic and readings:	Chapter in Text
Sept. 5	Introduction to science and scientific inquiry; Geology: overview of how planet Earth is constructed .	p. 2-9; Chps. 2 & 3
Sept. 12	Plate Tectonics Overview.	Chp. 4
Sept. 19	Atoms, compounds, and minerals.	Chp. 5
Sept. 26	Rocks & Plate Tectonics; Igneous rocks and formation of magma.	Interlude A (p. 130-137); Interlude B (p. 234-239); Chp. 6
Oct. 3	Volcanoes. Review for Exam. Exam 1 ; Weathering, soils and global chemical cycles.	Chps. 6 & 7 (p. 165-180)
Oct. 10	Reading the history of life: Sedimentary rocks; Interpreting sedimentary rocks.	Chp. 7 (p. 180-206)
Oct. 17	Metamorphic rocks; The vastness of Geologic time; Relative age determinations.	Chps. 8 & 12
Oct. 24	Quantitative age determinations; Exam 2 .	Chp. 12
Oct. 31	Earthquakes & Plate tectonics.	Chp. 10; Interlude C
Nov. 7	Geologic structures (stress, strain, folds and faults).	Chp. 11
Nov. 14	The hydrologic cycle; Streams and floods.	Interlude E; Chp. 17
Nov. 21	Exam 3; Thanksgiving Break.	Read Chp. 19
Nov. 28	Groundwater; Glaciation.	Chps. 19 & 22
Dec. 5	Climate change, and paleoclimates; Earth resources.	Chp. 22 (p. 709-718); Chp. 14
Dec. 12	Earth resources: coal, gas, petroleum & minerals; Review, Exam 4 .	Chp. 15

Important Dates:

Last day to drop with 100% fee refund: **September 20**.

Last day to drop **without Late Drop Appeal**: **October 21**.

Thanksgiving break: November 23-28.

Last Exam: December 14.

Last day of classes: December 16.

Graduation: December 17.

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