

**EVOLUTION OF THE EARTH (HISTORICAL GEOLOGY) 51-109, 4 CREDITS, SPRING 2008
LECTURE AND LAB SYLLABUS**

Instructors: Dan Lehrmann, Office: Harrington -315. Office hours: 10:20-12:30 MTW
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Texts: Lecture: Levin, The Earth Through Time; 8th ed.
Lab: Frey et. al., Earth History
Supplementary Lab Text: (Available at book store)

Class Hours: Lecture: 9:10-10:10 MWF, Halsey 107.
Lab Section 001: 8:00-10:10 R; Harrington 114
Lab Section 002: 10:20-12:30 R; Harrington 114
Lab Section 003: 1:50-4:00 R; Harrington 114
Lab Section 004: 10:20-12:30 F; Harrington 114
Lab Section 005: 12:40-2:50 F; Harrington 114

Course Objectives:

1) Learn the history and development of geologic science and fundamental stratigraphic principles. Understand the scientific method and be able to formulate and evaluate multiple working hypotheses. 2) Develop a general understanding of sedimentologic, stratigraphic, and paleontologic concepts required to decipher Earth history. 3) Gain an understanding of global geologic processes and their impact on shaping of the Earth. 4) Learn the basic geological history of the Earth with emphasis on North America. Learn the basic history and evolution of life.

***Summary of Course Schedule:**

<u>Lecture:</u>	<u>Levin</u>		<u>Point value</u>
2-4 to 2-27	Chapters 1-7	Exam: 2-27	100
2-29 to 3-21	Chapters 8-10, 12	Exam: 3-21	100
3-31 to 5-14	Chapters 11-16	Exam: 5-14	100
<u>Lab:</u>	<u>Frey et. al.</u>		
2-7 to 2-22	Chapters 1,2, 3	Quiz: 2-21,22	30 “rocks and minerals quiz”
2-21 to 3-14	Chapters 4,6,7	Quiz: 3-13,14	30 “maps quiz”
4-3 to 4-11	Baraboo	Quiz 4-10,11	30 “field trip quiz”
3-20 to 4-17	Chapters 8-9	Quiz: 4-17,18	30 “fossils 1 quiz”
5-1 to 5-16	Chapters 8-11	Quiz: 5-15,16	30 “fossils 2 quiz”
total:			450

Grading:

Scores will not be curved. Letter grades will be assigned according to the following averages: A (100 - 90 %), A-B (89 - 85 %), B (84 - 80 %); B-C (79 - 75 %), C (74 - 70 %); C-D (69 - 65 %); D (64 - 60 %), F (< 60 %).

Attendance will be checked by random quizzes. Failure to attend regularly will result in assignment of reduced or failing grade.

Study Sessions for Lecture Exams:

One hour study sessions (question/ answer) will be held in the evening “review sessions” the night before exams.

Make Up Exams:

All make-up exams will be given on May 16, tentatively at 5:30 p in Harrington -114.

Field Trip:

A 1 day field trip to **Baraboo and subsequent quiz is a required part of this course** and will count for the equivalent of 2 lab quizzes (60 points). **Lab sections 1 and 2 will go Saturday April 5th Sections 3-5 will go Sunday April 6th.** Students who are unable to attend the field trip (e.g. physical disability) will be allowed to gain equivalent credit by writing a term paper. **Arrangements must be made in advance.**