

**EVOLUTION OF THE EARTH (HISTORICAL GEOLOGY) 51-109, 4 CREDITS, SPRING 2007
LECTURE AND LAB SYLLABUS**

Instructors: Dan Lehrmann, Office: Harrington -315. Office hours: 10:20-12:30 MWF
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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: 12:40-2:50 W; Harrington 114
Lab Section 002: 3:00-5:10 W; Harrington 114
Lab Section 003: 8:00-10:10 R; Harrington 114
Lab Section 004: 10:20-12:30 R; 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>
1-29 to 2-21	Chapters 1-7	Exam: 2-21	100
2-23 to 3-16	Chapters 8-10, 12	Exam: 3-16	100
3-26 to 5-11	Chapters 11-16	Exam: 5-11	100
Pop-quizzes	10 quizzes	during lecture	50
<u>Lab:</u>	<u>Frey et. al.</u>		
1-31 to 2-15	Chapters 1,2, 3	Quiz: 2-14,15	30
2-14 to 3-8	Chapters 4,6,7	Quiz: 3-7,8	30
4-18 to 4-26	Baraboo	Quiz 4-25,26	60
3-7 to 5-10	Chapters 8-11,13	Quiz: 5-9,10	30
		total:	500

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 %).

Failure to attend lecture or lab regularly may 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 11, 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 21st Sections 3 and 4 will go Sunday April 22nd.** 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.**

