

Geological Sciences 107 - Plate Tectonics: New View of the Earth Fall Quarter 2005

<http://www.earth.northwestern.edu/individ/seth/107>

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Text: [Exploring Earth](#) by R. J. Davidson, W. Reed, and P. Davis, Prentice-Hall 2002

Supplement: [Understanding Earth](#) by F. Press and R. Siever, Freeman 1997

Class Lectures: M, W, F 2:00-2:50 PM, University Hall, Rm. 121

Lab/Discussion sections: T 11:00 AM-12:20 PM in Locy, Rm 111

W 3:00-3:50 PM in Locy, Rm 111

(No discussion sections the first week)

Class grade: 2 tests (25% each), weekly (Wed) quizzes (20% total), lab exercises (10%), presentation (10%), presentation evaluation (10%)

Makeups of lab exercises, quizzes and tests require advance arrangements through Office of Studies.

Week #	date	reading assignment	Lab topics
1	21, 23 Sept	none	no lab
2	26, 28, 30 Sept	Chapter 1, 6	Introduction; Geological Time
3	3, 5, 7 Oct	Chapter 3	Minerals
4	10, 12, 14 Oct	Chapter 4	Rocks
5	17, 19, 21 Oct	Chapter 5	earth structure

6	24, 26, 28 Oct	none	no lab
7	31 Oct; 2, 4 Nov	Chapter 5, 8	seismology
8	7, 9, 11 Nov	Chapter 5	gravity and magnetism
9	14, 16, 18 Nov	Chapter 7, 9, 10	Plate Tectonics
10	21, 23 Nov	none	no lab