

Earth & Planetary Sciences 107 - Our Dynamic Planet - Winter Quarter 2010

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Text: *Exploring Earth*, Davidson, Jon P., Reed, W. & Davis, Paul M., 2nd edition, 2002.
<http://www.prenhall.com/davidson>

(C# denotes chapter reading assignment).

Text now officially out of print; a few for sale at Norris; also, on reserve at the Main Library.

Book can be accessed for a fee: <http://www.coursesmart.com/>

Class meets T, Th at 2-3:20 PM, Kresge Hall, Rm. 2435

Discussion sections meet T, Th 3:30 PM, W 2PM, in Locy, Rm 111; discussion sections will not meet the first week.

Lab Exercises: due at end of lab; 25% of grade; no makeups.

Quizzes: given weekly, starting Thursday class; lowest of 6 deleted; 25% of grade.

First and Second Exams in class count 25% each.

Course: <http://www.earth.northwestern.edu/courses/107>

Grades: <http://www.earth.northwestern.edu/courses/grades.html>

Topics Covered and Dates

Week #1 (C1,2)	Jan 5, 7	Introduction; Geological Time
Week #2 (C3,4)	Jan 12, 14	Minerals & Rocks; Seismology
Week #3 (C5,6)	Jan 19, 21	Seismology
Week #4 (C7)	Jan 26, 28	Magnetics; Plate Tectonics
Week #5 (C8)	Feb 2, 4	Plate Tectonics; Deformation
Thursday	Feb 4	FIRST EXAM — 25%
Week #6 (C9)	Feb 9, 11	Divergent Margins; Transforms
Week #7 (C10)	Feb 16, 18	Convergent Margins; Plate Interiors
Week #8 (C15,16)	Feb 23, 25	Hazards; Resources; Water
Week #9 (C11)	March 2	“Rare Earth”
Tuesday	March 2	SECOND EXAM — 25%
Week #9	March 4	<i>The Heat Within</i> , Presentations
Week #10	March 9-11	WCAS Reading Period

