

GEL 20 - Geology of California - Winter 2017 Syllabus

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Office: Earth & Physical Sciences Bldg., room 3121

Office Hours: Monday 2:10-3:00 (3121) and Thursday 1:10-2:00 (Canvas).

Textbook: *California Geology (2004, 2nd ed.)* by Deborah Harden is required. I'll give suggestions in class and the notes about how to read the textbook strategically.

The schedule below will very likely evolve as we move through the quarter. I'll spend less time on some topics and more time on others. But we'll cover it all!

<u>Week</u>	<u>Topic</u>	<u>Reading</u>
Jan. 9	Introduction, Tour of California's Geologic Provinces	p. 63-64
Jan. 11, 18	Cascade Range; Volcanic Processes <i>NOTE: No Class Jan. 16 (Martin Luther King, Jr. Holiday)</i>	Ch. 5, p. 22-26
Jan. 23	Plate Tectonics and the Cascades	Ch. 1, 5
Jan. 25,30	Basin & Range; Geologic Time; Sedimentary Processes	Ch. 3, 6, 7, p. 26-31
Jan. 2,6	Plate Tectonics and the Origins of California	Ch. 1, 7, p. 487-90
Feb. 8	Midterm (50 min.) - bring Scantron 2000	
Feb. 13, 15, 22	Sierra Nevada & Accreted Terranes <i>NOTE: No Class Feb. 20 (President's Holiday)</i>	Ch. 8, 2, p. 31-33
Feb. 27-Mar. 1	Gold, Glaciers & Ice Ages; Klamath Mountains	Ch. 8, 9
Mar. 6	Great Valley	Ch. 10, 11
Mar. 8	Coast Ranges & San Andreas Fault	Ch. 12, 14, 15
Mar. 13	Southern California	Ch. 16
Mar. 15	Evolution of CA through Geologic Time	Ch. 18
March 22	Final Exam: Wednesday March 22, 6:00 to 8:00 pm (bring Scantron 2000) Comprehensive (covers 1/9 to 3/16); held in our classroom, (Giedt 1003)	