

Lecture syllabus**GEL 50: Physical Geology****Fall 2019****Dr. David Osleger** daosleger@ucdavis.edu

Office: Earth & Physical Sciences (EPS), room 3224

Office Hours: Monday 1:15-2:15 & Wednesday 2:15-3:15

We'll try to stay as close to this schedule as possible, but be ready for evolving dates and topics (except for exams, of course).

Read the textbook strategically – there's no need to read each entire chapter and I'll give you suggestions about how to use the book in class. The specific pages to read in the textbook will evolve as the quarter progresses. Check the online notes I provide for the specific pages in the textbook to read, listed toward the top of each set of notes.

Please read and understand the GEL50 Canvas site.

Week of:	Lecture Topic:	Textbook
9/25 – 9/30	Introduction; How Planets Form; Inside the Earth	Chapters 1, 9
10/2 - 10/7	Plate Tectonics: Mapping the Seafloor & Divergent Boundaries	Chapter 2
10/9 – 10/14	Plate Tectonics: Convergent & Transform Boundaries	Chapter 2
10/16	Midterm 1 (50 minutes, bring Scantron 2000)	
10/18 - 10/23	Minerals & Rocks	Chapter 3
10/25– 10/28	Deep Beneath Volcanoes	Chapter 4
10/30 - 11/4	Volcanism	Chapter 12
11/6	begin Earthquakes	Chapter 13
11/8	Midterm 2 (50 minutes, bring Scantron 2000)	
11/13 – 11/18	Earthquakes continued . . . Earth's Interior	Chapters 13, 14
11/20 - 11/27	Sedimentation; Deep Time; Age-dating	Chapters 5, 8
12/2	Energy Resources: The Age of Oil	Chapter 23
12/4 - 12/6	Glaciers, Ice Ages, & Climate Change	Chapters 15, 21
Wed. 12/11	Final Exam – 10:30-12:30 (comprehensive, scantron)	