

GEL 50 lecture syllabus – Physical Geology - Fall 2020

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I'll be fully available online via Zoom and email for this fall quarter, 2020

Please read the GEL 50 Canvas site closely for more detail on the course.

The pages in the textbook for each topic (last column) are for the 2014 7th edition. They will be continually updated with specific pages to read from the 2020 8th edition as the course progresses. I'll place the 8th edition page numbers at the top of the notes I provide as well as on the lecture presentation slides.

<u>Date</u>	<u>Lecture Topic</u>	<u>Pages in Textbook</u>
Sept 30 – Oct. 2	Introduction; How Planets Form	18-20, 220-228
Oct 5 – 7	Inside the Earth & How We Know	9-13, 354-357, 383-396
Oct 9 – 14	Plate Tectonics: Mapping the Seafloor; Divergent Boundaries	16-18, 27-44, 570-578 396-404
Oct 12 – HW 1 – due Oct 14		
Oct 16 – 21	Plate Tectonics: Convergent and Transform Boundaries; Hot Spots	11, 31-39, 16-17, 392, 41-51, 331-333, 578
Oct 19 – HW 2 – due Oct 21		
Oct 23 – 28	Earth Composition: Minerals and Rocks	57-58, 61-64, 74-76
Oct 26 – HW 3 – due Oct 28		
Oct 30 – Nov 6	Volcanism & Volcanic Hazards	92-94, 313-326, 329-339
Nov 2 – HW 4 – due Nov 4		
Nov 9 – Midterm (50 min, online)		
Nov 11	no class, Veteran's Day	
Nov 13 – Nov 20	Earthquakes; Tsunami	347-361, 362-378
Nov 16 – HW 5 – due Nov 18		
Nov 23 – 30	Sedimentary Rocks; Deep Time	115, 119-121, 124-127, 130-132, 136
Nov 30 – HW 6 – due Dec 2		
Nov 27	no class, Thanksgiving break	
Dec 2 – 4	Energy Resources	144, 641-647, 651-654
Dec 7 – 11	Glaciers, Ice Ages & Climate Change	587-598, 606-611, 213, 416-422, 660-669
Dec. 17 – Thursday, 1:00-3:00 – Final exam (<i>comprehensive, online</i>)		