

GEL 50 syllabus – Physical Geology - Fall 2022

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Office hours: Mondays 1:30-2:30 & Tuesdays 12:00-1:00

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

<u>Date</u>	<u>Lecture Topic</u>	<u>Pages in Textbook</u>
March 28 – 30	Introduction; How Planets Form	16-18, 599-606
April 1 - 4	Inside the Earth & How We Know	6-11, 274-277, 306-320
April 6 – 11	Sedimentation & Deep Time; Age-dating	73-74, 153-159, 162-165, 168-171
April 6 – HW 1 – due April 8		241-244, 247-248, 249-256
April 13-15	Energy Resources	366-371, 375-380
April 13 – HW 2 – due April 15		
April 18 – 22	Glaciers & Ice Ages	423-433, 442-445
April 20 – HW 3 – due April 22		342-343, 345-346, 350-355
April 25 – 27	Modern Climate Change	393-400, 401-408, 412-415
April 29 – May 4	Plate Tectonics: Mapping the Seafloor; Divergent Boundaries	14-16, 23-44, 320-328
May 6 – Midterm (50 min, in-class)		
May 9 - 13	Plate Tectonics: Convergent and Transform Boundaries; Hot Spots	27-34, 35-47, 316-319, 134-138
May 11 – HW 4 – due May 13		
May 16 - 18	Earth Composition: Minerals and Rocks	52-54, 57-60, 70-74
May 18 – HW 5 – due May 20		
May 20 - 23	Volcanism & Volcanic Hazards	107-113, 117-130, 133-137
May 25 – 27	Earthquakes	266-281, 284-286, 288-300
May 25 – HW 6 – due May 27		
May 30	no class, Memorial Day	
June 1	Tsunami	291-292, 297

Final exam – Wednesday, June 8, 1:00-3:00 (comprehensive, in-class)