

ES202 Principles of Geology Winter Term 2022

TENTATIVE COURSE OUTLINE: This outline should be considered tentative at best. The following schedule may be modified as class ideas evolve throughout the semester. Abbreviations for Reading Assignments are as Follows: M = Marshak, **Essentials of Geology 4th edition**; AGI = Laboratory Manual in Physical Geology 10th edition; "Handouts" = from professor.

DRAFT 1 UPDATED JAN. 2, 2022

<u>Week</u>	<u>Dates</u>	<u>Class Content</u>	<u>Reading Assignment</u> (author / page)	<u>Lab Exercise</u>
1	Jan. 3-9	Class Policies, Introduction, Overview of Earth	M: p. 1-8, Chap 1 Lab: Handouts	Lab 1: Overview of Scientific Methods / Techniques-Take Home
IN-PERSON CLASS JANUARY 3, 11 AM-12 Noon Room NS101				
NOTE: All Lecture Classes and Labs will be shifted to Room NS218 for Winter 2022				
2	Jan. 10-16	Overview of Tectonics, Matter, Minerals, Rocks	M: Chap 2-3, M: p. 88-96 Lab: AGI p. 73-125	Lab 2: Review of Minerals, Rocks, and Tectonics
Week 1 Assignments Due for Canvas Upload by Monday January 10, 11 PM				
3	Jan. 17-23	Sedimentary Processes, Sedimentary Rocks	M: Chap 6 Lab: AGI p. 153-186	Lab 3: Sedimentary Rocks
NO CLASS JANUARY 17 - Martin Luther King Day				
Week 2 Assignments Due for Canvas Upload by Monday January 17, 11 PM				
4	Jan. 24-30	Sedimentary Rocks II, Stratigraphy, Geologic Time	M: Chap 10 Lab: AGI p. 207-225	Lab 4: Geologic Time & Stratigraphy
Week 3 Assignments Due for Canvas Upload by Monday January 24, 11 PM				
Quiz 1 Wednesday January 26				
5	Jan. 31-Feb. 6	Weathering, Soils, Mass Wasting	M: p. 148-162, Chap 13 Lab: AGI p. 227-258	Lab 5: Topographic Maps
Week 4 Assignments Due for Canvas Upload by Monday January 31, 11 PM				
6	Feb. 7-13	Fluvial Processes and Landforms	M: Chap 14 Lab: AGI p. 283-310	Lab 6: Fluvial (River) Systems/Landforms
Week 5 Assignments Due for Canvas Upload by Monday February 7, 11 PM				
Mid-Term Exam, Wednesday Feb. 9				
7	Feb. 14-20	Groundwater	M: Chap 16 Lab: AGI p. 311-328	Lab 7: Groundwater
Week 6 Assignments Due for Canvas Upload by Monday February 14, 11 PM				
8	Feb. 21-27	Glaciers, Glacial Processes, Climate Change	M: Chap 18, 19 Lab: AGI p. 329-356	Lab 8: Glacial Systems, Climate
Week 7 Assignments Due for Canvas Upload by Monday February 21, 11 PM				
9	Feb. 28-March 6	Deserts, Eolian Processes, Desert Landforms	M: Chap 17 Lab: AGI p. 357-374	Lab 9: Desert Processes/Landforms
Week 8 Assignments Due for Canvas Upload by Monday February 28, 11 PM				
10	March 7-13	Oceans, Coastal Processes, Coastal Landforms	M: Chap 15 Lab: AGI p. 375-390	Lab 10: Coastal Processes/Landforms
Week 9 Assignments Due for Canvas Upload by Monday March 7, 11 PM				
Quiz 2 Wednesday March 9				
11	March 14-18	Finals Week (FINAL EXAM - Check Schedule)		
Week 10 Assignments Due for Canvas Upload by Monday March 14, 11 PM				
Final Exam Wednesday March 16, 10 AM-12 Noon				