

ES202 – PRINCIPLES OF GEOLOGY (4 Credits, CRN 20412) Winter Term 2024

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. 5, 2024

<u>Week</u>	<u>Dates</u>	<u>Class Content</u>	<u>Reading Assignment</u> (author / page)	<u>Lab Exercise</u>
1	Jan. 8-14	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 8, 2 – 3:50 PM Room NS218 NOTE: All Lecture Classes and Labs will be located in Room NS218 for Winter 2024				
2	Jan.15-21	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
NO CLASS JANUARY 15 - Martin Luther King Day Week 1 Assignments Due for Canvas Upload by Monday January 15, 11 PM				
3	Jan. 22-28	Sedimentary Processes, Sedimentary Rocks	M: Chap 6 Lab: AGI p. 153-186	Lab 3: Sedimentary Rocks
Week 2 Assignments Due for Canvas Upload by Monday January 22, 11 PM				
4	Jan. 29-Feb. 4	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 29, 11 PM Quiz 1 Wednesday January 31				
5	Feb. 5-11	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 February 5, 11 PM				
6	Feb. 12-18	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 12, 11 PM Mid-Term Exam, Wednesday Feb. 14				
7	Feb. 19-25	Groundwater	M: Chap 16 Lab: AGI p. 311-328	Lab 7: Groundwater
Week 6 Assignments Due for Canvas Upload by Monday February 19, 11 PM				
8	Feb. 26-March 3	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 26, 11 PM				
9	March 4-10	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 March 4, 11 PM				
10	March 11-17	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 11, 11 PM Quiz 2 Wednesday March 13				
11	March 18-22	Finals Week (FINAL EXAM - Check Schedule) Week 10 Assignments Due for Canvas Upload by Monday March 18, 11 PM Final Exam Wednesday March 20, 2 – 4 PM		