

EARTH SCIENCE
Geography 1710.005 - Fall 2022

Lecture Topic Schedule

DATE	TOPICS
Aug. 30	1. Introduction; course organization; what is earth science? No quiz.
Sept. 1	2. The science in earth science; location on Earth; latitude and longitude; quiz 1.
6	3. Topographic maps; Geographic Information Systems; quiz 2.
8	4. Earth-Sun relations; quiz 3.
13	5. Seasons; quiz 4.
15	6. Introduction to the atmosphere; quiz 5.
20	7. Solar energy and temperature I; quiz 6.
22	EXAM 1
27	8. Solar energy and temperature II; quiz 7.
29	9. Atmospheric pressure and winds; quiz 8.
Oct. 4	10. Winds and ocean currents; quiz 9.
6	11. Atmospheric moisture and humidity; quiz 10.
11	12. Atmospheric moisture and stability; quiz 11.
13	13. Air masses, fronts and storms; quiz 12.
18	EXAM 2
20	14. Climatic regions; quiz 13.
25	15. Minerals and rocks I; igneous rocks; quiz 14.
27	16. Minerals and rocks II; sedimentary and metamorphic rocks; quiz 15.
Nov. 1	17. Plate tectonics; quiz 16.
3	18. Weathering and mass wasting; quiz 17.
8	19. River landscapes; quiz 18.
10	EXAM 3
15	20. Desert landscapes; quiz 19.
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17	21. Coastal landscapes; quiz 20.
22	22. Soil formation; soil properties; quiz 21.
24	THANKSGIVING – NO CLASS
29	23. Geology, climate, soils, vegetation and topography in North Texas; quiz 22
Dec 1	24. Physical geography and society I: global warming; quiz 23.
6	25. Physical geography and society II: urban impacts; quiz 24.
8	26. Review, Q&A session, Quiz 24 returned (optional).
15	FINAL EXAM Thursday December 15 th , 10.30 – 12.30.