

Geology 101 – INTRODUCTION TO GEOLOGY (01)
Summer session I (May 16 – June 24) 2016

Instructor: Dr. Risa Madoff Office: Leonard Hall 321 risa.madoff [at] und.edu

Meeting time: MTWR: 10 am -12 noon Leonard 109 Office Hour: by appointment
Phone: 1-701-777-6813

Required Text: Marshak, Stephan (Author), Essentials of Geology, 5th ed, W.W. Norton (Publisher)

Course Description (in catalogue): Introduction to the dynamics of Earth – volcanoes, earthquakes, plate tectonics, streams, groundwater, glaciers, waves, wind, and landslides, with emphasis on the environmental applications of these processes. Introduction to the tools of the geologist – minerals, rocks, maps, and aerial photographs.

Grading

Course Grade Scale: A 90+, B 89-80, C 70-79, D 60-69, F 59-

Course grade is based on assessments of student performance in the following:

- Tests: 2 exams (25% each), comprehensive final (30%) in-class, closed book. The final, last exam, is required to be taken for a passing grade.
- Homework, turn-ins of class activities, journal entries: (20%) turned in at scheduled times.
- I do not give Incompletes, except when almost all the work has been done and there is an emergency not allowing you to finish.

Academic Honesty, Fairness, Learning Environment

- In-class conduct: in order to maintain an environment that fairly promotes learning for everyone without distraction, it is asked that electronic devices be turned off and non-course-related activities (such as watching videos, listening to music, texting, private conversations, internet surfing) be taken out of the room.
- A student requesting disability accommodations in this course is expected to be registered with Disability Services for Students, 190 McCannel Hall, 701.777.3425, www.UND.edu/disability-services/. Contact me to request accommodations, discuss medical information, or plan for an emergency evacuation.
- Academic Dishonesty: Refer to Appendix IIIa-3 of the Student Code of Student Life given by UND. Acts of academic dishonesty include cheating, plagiarism, and collusion, which can be referred to in the code. Such acts are not tolerated by the university system and will be reflected as a failing score and/or be reported to the Dean of Students for disciplinary action.
- “Because this class is not a full (12-week) summer term course, the drop and refund dates differ significantly from full term courses. Contact Student Account Services at 701-777-3911 or UND.studentaccounts@email.und.edu to inquire about the dates and deadlines.”

Schedule of Modules

Foundations of how Earth works

- Planetary origins
- Internal Structure
- Plate Tectonics

Earth Materials and Processes that Form Them

- Minerals
- Igneous Rocks and Volcanoes
- Sedimentary Rocks
- Metamorphic Rocks

Crustal Changes and Deformations and their Records in Time

- Structures and Earthquakes
- Mountain Building
- Geological Time

Surface Processes, their Shaping the Landscape, and Hazards

- Slope processes
- Rivers and streams
- Groundwater
- Glaciers