

Physical Geology

GEOL 1330

Lecture: T&Th 11:30-1:00 pm SEC room 102

Spring Semester 2020

Instructor: Dr. Mike Murphy

Office: 336-SR 1

mmurphy@central.uh.edu

Office: 336 SR1

Office hours: Thursday 10:30-11:30 am

TEXT: Required: *Earth: An Introduction to Physical Geology* (11th edition), Tarbuck, Lutgens, and Tasa
Course material available online at **blackboard**

COURSE CONTENT

Date	Topic	Reading/Chapter
Week 1 (1/14-1/16)	Introduction to Basic Geologic Principles	Chapter 1
Week 2 (1/21-1/23)	Introduction to Plate Tectonics	Chapter 2
Week 3 (1/28-1/30)	<u>no class Monday</u> -Minerals; Igneous Rocks	Chapter 3, 4
Week 4 (2/04-2/06)	Igneous Rocks; Volcanoes	Chapter 4, 5
Week 5 (2/11-2/13)	Volcanoes	Chapter 5
Week 6 (2/18-2/20)	Weathering and Erosion; Sedimentary Rocks	Chapter 6, 7
02/18 Exam 1		
Week 7 (3/3-3/5)	Metamorphism and Metamorphic Rocks	Chapter 8
Spring break 03/9-03/14		
Week 8 (3/17-3/19)	Deformation of the Earth	Chapter 10
Week 9 (3/24-3/26)	Telling Geologic Time	Chapter 9
Week 10 (3/31-4/02)	Earthquakes	Chapter 11
Week 11 (4/07-4/09)	04/02 Exam 2	
	Chapter 12	
Week 12 (4/14-4/16)	Interior of the planet Plate Tectonics	Chapter 13, 14
Week 13 (4/21-4/23)	The Hydrologic Cycle and Rivers	Chapter 16
04/23 Exam 3		
Week 14 (04/21, 04/23) review, exam		
04/23 – last day of classes		

04/30 MAKE-UP EXAM: SW Rm. 102, 11-12:30 pm

Core Course: This course has been approved to satisfy the Natural Science component of the level 2 (knowledge base) of the University Core Curriculum.

Class Material: Class lecture outlines, the syllabus, and other miscellaneous material must be downloaded from Blackboard.

Exams: There are 3 hourly exams scheduled during the semester, each covering material since the last exam. Questions will come primarily from material covered in lecture, but may also come from that in the book.

Academic Honesty: All students are expected to uphold the standards of academic honesty as described in the Student Handbook.

Make-Ups: There is no Final Exam. Rather, I administer a Make-up exam the day the final exam is scheduled. The Make-up exam consists of 3 parts. Each part of the Make-up will test the material covered in each of the regular exams (i.e. Part I of make-up = material on Exam I, etc.). **You are allowed to make-up one part (one regular exam)**

Late Students: No students arriving to take an exam may take the test if any student has completed the exam and left the room.

Grading: Your grade will be based on the 3 exams, and the Make-up exam (if necessary), and extra credit. I will assign a final grade at the end of the 3rd exam, and at that point you may decide whether you wish to improve your final grade by taking the optional Make-up exam.

Attendance: I do not require regular attendance. However, the questions covered on the exams come largely from the lecture.

Drop Policy: Because I do not check attendance, I will not drop a student for nonattendance. Therefore, it is your responsibility to initiate a drop with the University.

Laboratory: There is an optional 1-hour credit lab course (GEOL 1130) that accompanies this lecture course.

Optional Field Trip(s): All students enrolled in GEOL 1330 are eligible, but not required, to participate on an all day geology field trip to central Texas and Galveston. The trips are offered during the semester at no additional cost. The exact dates have not been scheduled yet. I strongly urge each of you to go on the field trip. There are also on-campus fieldtrips and fieldtrips to the Natural History Museum.

Extra Credit: I give extra credit for attending 1) the all day field trip, 2) the museum field trip, and 3) on-campus field trip.

GEOSCIENCE LEARNING CENTER (GLC): The GLC will be open to all students beginning at the start of the semester. Faculty and graduate students will be available to help students with problems in 1330. I will place all my PowerPoint lectures on the computers in the GLC.

ADDENDUM: Whenever possible, and in accordance with 504/ADA guidelines, the University of Houston will attempt to provide reasonable academic accommodations to students who request and require them. Please call 713-743-5400 for more assistance. Counseling and Psychological Services (CAPS) can help students who are having difficulties managing stress, adjusting to college, or feeling sad and hopeless. You can reach CAPS (www.uh.edu/caps) by calling 713-743-5454 during and after business hours for routine appointments or if you or someone you know is in crisis. Also, there is no appointment necessary for the "Let's Talk" program, which is a drop-in consultation service at convenient locations and hours around campus. http://www.uh.edu/caps/outreach/lets_talk.html.