

Professor: Figen Mekik

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Office Hours: Tuesdays and Thursdays 2:30-4:00

Required Texts: Tarbuck and Lutgens, "Earth: An Introduction to Physical Geology"
Eighth Edition ISBN: 0-13-114865-6

All students are greatly encouraged to actively participate in learning. In other words, ask questions, argue points and voice your opinions! Geology is a fun science with many exciting branches. It is about our planet and all natural things on and in it. So join in with your observations and thoughts, and do not hesitate to interrupt me and ask questions. All questions are welcome.

Format: Class will consist of lecture, discussion, slides, overheads, and movies that will reinforce important topics from the text. Lab work will follow topics in lecture and give the student "hands on" experience of how geology works.

Labs: Attendance and exam policies for the labs will be set by the lab instructor. However, failing the lab part of this course will result in automatic failure for the entire course.

Evaluation:

EXAMS: There will be three 50-minute examinations during the semester plus a comprehensive final exam. Comprehensive means all topics covered since the first lecture are included in the final exam. In general, make-ups for any missed exams are unavailable. However, if you are ill or there is a death in the family you may take a make-up as long as you can provide documentation (for example from a doctor) for the cause of your absence from an exam. If you know that you will miss a future exam for a legitimate reason, let me know ahead of time, and I can arrange for you to take the exam prior to the scheduled exam date.

QUIZZES: There will be unannounced quizzes throughout the semester. There are absolutely no make-ups for these quizzes for any reason.

ATTENDANCE: Success in this course is directly correlated with your attendance and participation in class. Topics build on top of one another. When you miss a class, you may miss the foundation for the next class. So, here is my tip: come to class, pay attention, take notes and ask questions.

Grading:

EXAMS during semester: 300 points (100 points each)

FINAL EXAM : 200 points

QUIZZES: 100 points
LABORATORY: 400 points
TOTAL POINTS =1000

LETTER SCALE: Letter grades will be assigned by the following scale:

1000-900	899-800	799-650	649-500	<500
A	B	C	D	F

**GENERAL EDUCATION FOUNDATION CATEGORY:
THE PHYSICAL SCIENCES**

Category Purpose and Description

The physical sciences explore and seek to explain the behavior of the physical universe. They seek to understand the fundamental workings of nature, from the behavior of particles of matter to the functioning of the galaxies. Study of the concepts, history, contexts, and methodologies of the physical sciences assists students in becoming scientifically literate. Each course in this category is a broad introduction to one or more of the physical sciences. Courses contribute to the development of critical thinking and problem-solving skills, and help students apply an understanding of scientific ways of thinking to their own lives and careers.

Content Objectives

All courses in the Physical Sciences Category include the following content:

- 1) The introduction of the physical sciences as a "way of knowing"; an examination of principles and questions that define the field;
- 2) An understanding of how scientists use information and theory to explain the phenomena observed in the physical universe;
- 3) The unifying concepts of the physical sciences including the forces of nature, the structure of materials, and the role of energy in the physical universe.

Skills Objectives

All courses in the Physical Sciences Category use teaching methods that help students become more proficient in the following skills:

- 1) To engage in articulate expression through effective speaking or writing;
- 2) To think critically and creatively;
- 3) To locate, evaluate, and use information effectively.

Courses in the Category

- Non lab: CHM 102; GEO 100; GEO 103; GEO 105
- Lab courses: CHM 109; CHM 115; CHM 201; GEO 111; NRM 140; PHY 105; PHY 201; PHY 202

Dates	Topics
Jan. 9-13	Introduction/Rock Cycle
Jan. 16-20	Minerals
Jan. 23-27	Igneous Rocks Volcanism
Jan. 31	EXAM 1
Feb 1	Weathering
Feb 3	Sedimentary Rocks
Feb. 6-8	Sedimentary Environments
Feb. 10th	Metamorphic Rocks
Feb. 13-17	Geologic Time
Feb. 20	EXAM 2
Feb 22-24	Crustal Deformation
Feb. 27-Mar.3	Earth's Interior
Mar. 5-12	SPRING BREAK
Mar. 13-17	Earthquakes
Mar. 20-24	Seafloor Spreading
Mar. 27-31	Plate Tectonics
Apr. 3	EXAM 3
April 5-7	Running Water/Groundwater
Apr. 10-14	Glaciation
Apr. 17-21	Oceans and Climate

FINAL EXAM: (Comprehensive) April 25, Tuesday 8-9:50am

DROP DEADLINE W/ GRADE "W": March 3, 5 pm

****This syllabus is subject to change where change is needed, as the course progresses.**