

## Physical Geology, Geology 101 Spring Quarter Schedule 2007

**Meeting:** MTWR 9:00-9:50 AM

**Text:** Essential of Geology, S. Marshak, (2<sup>nd</sup> Edition)

**Instructor:** Charles Rubin

**Office:** Hebeler 109 (Rubin)

**Email:** charlier@geology.cwu.edu

**Office hours:** Monday and Wednesday, 11:00 am to noon.

**Course Description:** GEOL 101 provides an introduction to geologic processes that control Earth processes, emphasizing the origin and nature of the common rocks, and the continually changing features of the earth's crust

### Expectations:

- *Attendance is required for all lectures.* Reading the text is not a sufficient substitute. If you do miss a class, ask a classmate to give you notes and an explanation of those notes. Expect to spend **2 hours out of class** for every hour in class (I am serious).
- You should be on time, prepared, and ready to *listen and participate* for the full 50 minutes of each class. Come to class *on time; do not leave early.*
- *Take good notes.* Write down everything on the board, make sketches of slides and overheads, and get all the details. Take notes during all slides and videos, *you are responsible for the material covered.*
- Assignments should be *neat* and completed *on time.*
- The appropriate chapters should be read before lecture, be careful not to get behind.
- You are responsible for the material presented in reading assignments, lectures, and slides/videos. If you have questions, it is your responsibility to ask during class time or during office hours. *I encourage you to ask questions in class, come to my office hours, or send me questions on e-mail.*

**Student learning objectives:** Develop an understanding of (1) The scientific method, (2) Internal structure of the Earth, (3) Plate tectonics and the formation of geologic structures, topographic features, and the major classes of rocks, (3) Earth materials, from atoms to minerals to rocks to plates, (4) Processes and products of the rock cycle; weathering, erosion, and the origins of igneous, metamorphic, and sedimentary rocks, (5) Principles and techniques of relative and numeric dating, and the geologic time scale, (6) Factors that shape Earth's crust; stress and deformation (e.g., folds, faults, and earthquakes), (7) The hydrologic cycle as it relates to streams, groundwater, and glaciers.

**Policy on Cheating:** I encourage you to work together on homework assignments. All work is ultimately in your own words, numbers, etc. – **Do not copy!** If I catch you cheating on a test you will receive a zero.

**Quizzes:** Four short quizzes are given during the quarter. No make up quizzes.

**Exams:** Three 50 minute-long exams consist of multiple choice and short answer questions. *If you have a conflict with the exam date talk to me least a week before the exam to discuss options. If you do not, you may fail the exam! There will be no make-up exams.*

**Grading:**

Quizzes	25%
Exam 1	25%
Exam 2	25%
Exam 3 (Final Exam)	25%