

Geology 101

Winter Semester 1999
10-10:50 PM, MWF
C215 ESC

Instructor: Stephen Nelson Geology Dept. Office
S383 ESC S389 ESC
8-8688 8-3918
steve_nelson@byu.edu

Text: Earth's Dynamic Systems, Christiansen and Hamblin, 8th edition

Office hours: 11-11:50, MWF

Electronic version of class notes: <http://geologyindy.byu.edu/geo101/notes.htm>

| date | topic | reading |
|-------------|------------------------------------------------------------------------------|----------------|
| 1/4 | -introduction to the course, science of geology | chpt. 1 |
| 1/6 | -structure of the earth's interior -earth's exterior | chpt. 1 |
| 1/8 | -heat exchange and the dynamic planet | chpt. 2 |
| 1/11 | -hydrologic system | chpt. 2 |
| 1/13 | -tectonic system | chpt. 2 |
| 1/15 | -minerals, the building blocks of rocks; rocks, the building blocks of earth | chpt. 3 |
| 1/18 | Martin Luther King Holiday--NO CLASS | |
| 1/20 | -minerals, the building blocks of rocks; rocks, the building blocks of earth | chpt. 3 |
| 1/22 | -igneous rocks | chpt. 4 |
| 1/25 | -igneous rocks | chpt. 4 |
| 1/27 | -sedimentary rocks | chpt. 5 |
| 1/29 | -sedimentary rocks, metamorphic rocks | chpt. 5, 6 |
| 2/1 | -metamorphic rocks | chpt. 6 |
| 2/3 | -exam 1 review | |
| 2/5 | -structural geology | chpt. 7 |
| 2/8 | -structural geology | chpt. 7 |
| 2/10 | -geologic time | chpt. 8 |
| 2/12 | -geologic time | chpt. 8 |
| 2/15 | President's Day--NO CLASS | |
| 2/16 | -seismicity and plate tectonics Monday Instruction Day | chpt. 18 |
| 2/17 | -plate tectonics revisited; the context for understanding our planet | chpt. 17 |