

GLY: Geology Courses

Courses

GLY 2010 Physical Geology

College of Sci and Engineering, Department of Earth & Environmental Sciences

3 sh (may not be repeated for credit)

Using the scientific method, critical thinking skills, data analysis, this course will examine the fundamental processes of the Earth system, composed of an atmosphere, hydrosphere, cryosphere, lithosphere, biosphere, and exosphere through time. The course will also explore interactions between these spheres, including critical analysis of scientific theories and emphasize lithospheric connections with humanity. Meets General Education requirement in Natural Sciences.

GLY 2010L Physical Geology Laboratory

College of Sci and Engineering, Department of Earth & Environmental Sciences

1 sh (may not be repeated for credit)

Prerequisite: GLY 2010*

Lab correlating with GLY 2010. Material and supply fee will be assessed.

GLY 3905 Directed Study

College of Sci and Engineering, Department of Earth & Environmental Sciences

1-12 sh (may be repeated indefinitely for credit)

GLY 4240 Geochemistry

College of Sci and Engineering, Department of Earth & Environmental Sciences

3 sh (may not be repeated for credit)

Prerequisite: (GEO 1200/L OR GLY 2010/L OR ESC 2000/L) AND (CHM 2045)

Fundamentals of the interactions between geological and chemical concepts in Earth systems. Will assess how chemical properties influence geological and environmental processes in a range of Earth environments. Topics will include the application of geochemical tools to interpret modern and ancient environments. Offered concurrently with GLY 5246; graduate students will be assigned additional work.

GLY 4244 Biogeochemistry

College of Sci and Engineering, Department of Earth & Environmental Sciences

3 sh (may not be repeated for credit)

Prerequisite: (GEO 1200/L OR GLY 2010/L OR ESC 2000/L) AND (CHM 2045) AND (BOT 2010 OR BSC 1005 OR BSC 2010)

An introduction to the interactions between biological and inorganic components of Earth systems. Integrates fundamental concepts of Biology, Geology, and Chemistry. Topics will include the interactions of major nutrient cycles and connections between Earth components (atmosphere, lithosphere, and hydrosphere). Offered concurrently with GLY 5266; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GLY 4905 Directed Study

College of Sci and Engineering, Department of Earth & Environmental Sciences

1-12 sh (may be repeated indefinitely for credit)

GLY 5246 Geochemistry

College of Sci and Engineering, Department of Earth & Environmental Sciences

3 sh (may not be repeated for credit)

Fundamentals of the interactions between geological and chemical concepts in Earth systems. Will assess how chemical properties influence geological and environmental processes in a range of Earth environments. Topics will include the application of geochemical tools to interpret modern and ancient environments. Offered concurrently with GLY 4240; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GLY 5266 Biogeochemistry

College of Sci and Engineering, Department of Earth & Environmental Sciences

3 sh (may not be repeated for credit)

An introduction to the interactions between biological and inorganic components of Earth systems. Integrates fundamental concepts of Biology, Geology, and Chemistry. Topics will include the interactions of major nutrient cycles and connections between Earth components (atmosphere, lithosphere, and hydrosphere). Offered concurrently with GLY 4244; graduate students will be assigned additional work. Material and Supply Fee will be assessed.

GLY 6905 Directed Study

College of Sci and Engineering, Department of Earth & Environmental Sciences

1-12 sh (may be repeated indefinitely for credit)

* This course may be taken prior to or during the same term.