

GLY: Geology Courses

Courses

GLY 2010 Physical Geology
3 sh (may not be repeated for credit)

Material, structures, surface features of the earth and processes that have produced them. Meets General Education requirement in Natural Sciences.

GLY 2010L Physical Geology Laboratory
1 sh (may not be repeated for credit)

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

GLY 3031C Environmental Geology
4 sh (may not be repeated for credit)

Prerequisite: GEO 1200/L OR GLY 2010/L OR ESC 2000/L

Discussion oriented study of the application of geology to the spectrum of interactions between people and their physical environment. Earth materials and processes are presented in reference to hazards and concerns that are created naturally and/or by human activities. Role of humans as geologic agents, resource conservation, ecosystem management, and the problems that result from upsetting the established equilibria of geologic systems are illustrated using case studies with emphasis on scenarios in Florida. Possible field trips. Material and Supply Fee will be assessed. Credit may not be earned in both GLY 3880C and GLY 3031C.

GLY 3905 Directed Study
1-12 sh (may be repeated indefinitely for credit)

GLY 4240 Geochemistry
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
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
1-12 sh (may be repeated indefinitely for credit)

GLY 5246 Geochemistry
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
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
1-12 sh (may be repeated indefinitely for credit)