

GEOLOGY (GLY)

GLY 510 Big Bend Field Excursion	2 Credit hours	
Field trip to Big Bend National Park, Texas to study the structure, stratigraphy, igneous geology, metamorphic geology, paleontology and natural history of this national park.		
Grade Mode: Normal Grading Mode		
GLY 518 Invertebrate Paleontology	4 Credit hours	
Taxonomy, morphology, and paleoecology of body and trace fossils representing the major invertebrate phyla; analysis and interpretation of faunal assemblages; evolution and extinction of species. (PR: GLY 201)		
Grade Mode: Normal Grading Mode		
GLY 520 Geochemistry	3 Credit hours	
Introduction to the principles of geochemistry. The application of chemistry to the study of the earth and to geologic problems.		
Grade Mode: Normal Grading Mode		
GLY 521 Petrology	4 Credit hours	
Identification and classification of igneous, sedimentary and metamorphic rocks, their origin and occurrence; their geologic and economic. 2 lec-4 lab.		
Grade Mode: Normal Grading Mode		
GLY 523 Sedimentary Petrography	4 Credit hours	
Megascopic and microscopic identification and a depositional and post-depositional interpretation of the sedimentary rocks. 3 lec-2 lab.		
Grade Mode: Normal Grading Mode		
GLY 527 Fossil Fuels	4 Credit hours	
The origin and occurrence of petroleum, coal, and natural gas; the relationships of accumulations to depositional environments and structural history; methods used in exploration, evaluation and recovery. 3 lec-2 lab.		
Pre-req: GLY 200.		
Grade Mode: Normal Grading Mode		
GLY 530 Computer Methods Geology	4 Credit hours	
The computer will be used for compilation, reduction, data analysis and modelling from a wide range of geological problems. Existing and student developed programs will be used.		
Grade Mode: Normal Grading Mode		
GLY 551 Principles Geomorphology	4 Credit hours	
Identification and analysis of the earth's surficial features in terms of stratigraphy, structure, processes, tectonics, and time. 3 lec 2 lab.		
Grade Mode: Normal Grading Mode		
GLY 555 Hydrogeology	3 Credit hours	
The properties of water, the hydrologic cycle with emphasis on surface and groundwater processes. The uses, needs and problems associated with water resources.		
Grade Mode: Normal Grading Mode		
GLY 555L Hydrogeology Laboratory	1 Credit hour	
Laboratory and field experiments studying principles and concepts of hydrology. 2 lab.		
Grade Mode: Normal Grading Mode		
GLY 556 Environmental Geology	4 Credit hours	
Consideration of risks posed by natural geo-hazards and from physical/chemical contamination of geological media.		
Grade Mode: Normal Grading Mode		
GLY 557 Engineering Geology	4 Credit hours	
Consideration of geotechnical problems faced by geologists and engineers. Major topics include mechanics and classification of soil and rock, and geotechnical aspects of groundwater.		
Grade Mode: Normal Grading Mode		
GLY 580 Special Topics	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 581 Special Topics	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 582 Special Topics	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 583 Special Topics	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 585 Independent Study	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 586 Independent Study	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 587 Independent Study	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 588 Independent Study	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 640 Physical Aspects Geology	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 641 Biological Aspect Geology	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 642 Chemical Aspects Geology	1-4 Credit hours	
Grade Mode: Normal Grading Mode		
GLY 681 Thesis	1-6 Credit hours	
Attributes: Thesis		
Grade Mode: Normal Grading Mode		