

GEOLGY (GEOL)

GEOL 102	Historical Geology	Spring	3 credits
Three hours of lecture and recitation per week. A study of the deposits laid down during the past geological ages and their fossil contents. Prerequisite: Physical Geology 105 & 105L. Concurrent registration in GEOL 102L is required. GERTA-MST.			
GEOL 102L	Historical Geology Lab	Spring	1 credit
Two hours of lab per week. Laboratory exercises investigate the evolution of the Earth's crust through geologic time. Topics include: plate tectonics, statistical analysis of sediments, strata chronology and the influence of structural forces, relative and radiometric dating, sorting and correlation techniques, geomagnetism, geologic implications in the fossil record, and others. Concurrent registration with GEOL 102 is required. Prerequisite: GEOL 105 & 105L.			
GEOL 105	Physical Geology	Fall	3 credits
Three hours of lecture and recitation per week. A study of rocks, minerals and the geological processes such as erosion, earthquakes, mountain building and origin of land forms. Concurrent registration in GEOL 105L is required. GERTA-MST.			
GEOL 105L	Physical Geology Lab	Fall	1 credit
Two hours of lab per week. Laboratory topics include identification of minerals and rocks with emphasis on traditional diagnostic techniques; interpretation of topographic and geologic maps, folding and faulting of the crust; analysis of stream drainage patterns and groundwater resources; location of earthquake foci; and the development of topographic surfaces through the processes of erosion and deposition. Concurrent registration in GEOL 105 is required.			
GEOL 294	Independent Study		1-3 credits
Independent or directed study of special topics in geology. Department chairperson approval required.			
GEOL 299	Special Topics in Geology	BD	1-3 credits
Repeatable up to six semester hours. An examination of special topics in geology. BSC-ENR.			