### Semester Course Number Course Title

**Fall**  
GEOE 556/L Statistical Methods in Geology and Geological Engineering/Lab  
GEOE 566/L Engineering and Environmental Geology/Lab  
GEOE 575/L Groundwater/Lab  
GEOE 700 Developing and Planning Research  
GEOE 790 Seminar  
GEOL 516/L Introduction to Geographic Information Systems/Lab  
GEOL 519 Advanced Geospatial Analysis  
GEOL 520 Introduction to Remote Sensing  
GEOL 521 Aqueous Geochemistry  
GEOL 656L Scanning Electron Microscopy Lab  
GEOL 700 Developing and Planning Research  
GEOL 790 Seminar  
GEOL 808 Fundamental Problems in Engineering and Science  
GEOE 562/L Well Log Analysis/Lab  
GEOE 522/L Tectonics and Sedimentary Basin Analysis/Lab  
GEOL 572/L Museum Collections Management/Lab  
GEOL 621/L Advanced Structural Geology/Lab  
GEOL 632 Rocky Mountain Stratigraphy  
GEOL 7xx Global Seismology  
GEOL 771/L Paleobiology/Lab  
GEOL 782/L Fluvial Processes/Lab  
GEOL 556/L Global Geophysics/Lab  
GEOL 573/L Museum Exhibit Design/Lab  
GEOL 604 Advanced Field Geology  
GEOL 622 Geotectonics  
GEOL 633/L Sedimentation/Lab  
GEOL 728 Linear Inverse Methods  
GEOL 775/L Phylogenetic Systematics/Lab

**Spring**  
GEOE 561 Petroleum Drilling and Production Engineering  
GEOE 575/L Groundwater/Lab  
GEOE 582/L Applied Geomorphology/Lab  
GEOE 790 Seminar  
GEOL 516/L Introduction to Geographic Information Systems/Lab  
GEOL 517 Geospatial Databases  
GEOL 790 Seminar  
GEOE 567 Introduction to Geomechanics  
GEOE 768 Engineering Geology of Surficial Deposits  
GEOL 535 Geomicrobiology  
GEOL 575/L Vertebrate Fossil Preparation and Conservation/Lab  
GEOL 744/L Volcanology/Lab  
GEOL 7xx Observational Seismology  
GEOL 772 Terrestrial Paleoecology  
GEOL 711 Synthetic Aperture Radar Interferometry  
GEOL 766/L Applied Groundwater Flow and Transport Modeling/Lab  
GEOL 544 Orogenic Systems  
GEOL 574 Paleontological Resource Management  
GEOL 576 Petroleum Geology  
GEOL 721 Planetary Geology  
GEOL 725 Geodynamics  
GEOL 774 Paleoenvironments