

## **Geology & Geological Engineering**

<u>Overview</u>

## Academics & Admissions

**Programs** 

**Minors** 

**Courses** 

Faculty

## Courses

- Engr 310: Engineering Analysis I
- Engr 340: Engineering Geology
- <u>G E 234: Intro. to Geol. Engr. Field Methods</u>
- <u>G E 301: Geological Eng. Design Field Camp 1</u>
- <u>G E 305: Geomechanics</u>
- <u>G E 401: Geological Eng. Design Field Camp 2</u>
- <u>G E 402: Professionalism in Geological Engr.</u>
- <u>G E 405: Engineering Geophysics</u>
- G E 413: Prob. & Stat. Analyses in Eng. Design
- <u>G E 415: Petroleum Geology</u>
- <u>G E 420: Subsurface Site Characterization</u>
- <u>G E 421: Geological Engineering Design</u>
- <u>G E 430: Geological Field Studies I</u>
- <u>G E 431: Geological Field Studies II</u>
- <u>G E 436: Field Camp G E Design</u>
- <u>G E 437: Geological Engineering Design Field Camp</u>
- <u>G E 450: Hydrogeology</u>
- <u>G E 460: Fundamentals of Waste Management</u>
- <u>G E 470: Intro. to Geographic Information System</u>
- <u>G E 490: Directed Studies and Projects</u>
- <u>G E 500: Introduction to Geochemistry I</u>
- <u>G E 502: Construction Geological Engineering</u>
- <u>G E 503: Environmental Geochemistry</u>
- <u>G E 504: Envi. Geochemistry Lab & Field Methods</u>
- <u>G E 506: Geomechanics for Geologists</u>
- <u>G E 507: Regional Geological Engineering</u>
- <u>G E 510: Remote Sensing</u>
- <u>G E 511: Spatial Analysis</u>
- <u>G E 513: Economic Geology</u>
- G E 520: Geol. & G.E. Computer Applications
- <u>G E 525: Engineering Seismology</u>
- <u>G E 530: Advanced Geomechanics</u>
- G E 540: Rock Mechanics
- G E 555: Introduction to Mining Engineering
- <u>G E 560: Waste Disposal I</u>
- G E 561: Design of Waste Repositories
- <u>G E 577: Geophysics I</u>
- <u>G E 591: Special Topics</u>
- G E 635: Advanced Rock Mechanics
- Geol 101: Physical Geology
- Geol 102: Historical Geology
- Geol 103: Earth Dynamics
- Geol 104: Environmental Geology Hazards
- <u>Geol 105: Environmental Geology Resources</u>
- Geol 106: Earth History
- Geol 107: Introduction to Oceanography
- Geol 111: Physical Geology Laboratory
- Geol 112: Historical Geology Laboratory

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- Geol 114: Environmental Geology-Hazards Laboratory
- Geol 115: Environmental Geology Resources Lab
- Geol 120: Dinosaurs
- Geol 203: Earth Dynamics Laboratory Content
- Geol 221: Mineralogy
- Geol 222: Elementary Petrology
- Geol 225: Mineralogy & Elementary Petrology
- Geol 303: Structural and Tectonic Geology
- Geol 305: Geomorphology
- Geol 309: Invertebrate Paleontology
- Geol 314: Sedimentology and Stratigraphy
- Geol 406: Petrology
- Geol 410: Coastal and Reef Dynamics
- Geol 420: Optical Mineralogy
- Geol 500: Intro. to Geographic Information Systems
- <u>Geol 505: Hydrogeology</u>
- Geol 506: Advanced Petrology
- Geol 515: Directed Studies
- Geol 517: Global Tectonics
- Geol 518: Quantitative Methods in Geo. & Geo Eng
- Geol 520: Advanced Igneous and Metamorphic Petrolo
- Geol 530: Geology Field Studies
- Geol 535: Geochemistry
- Geol 550: Oceanography and Marine Geology
- Geol 555: Geology and Geol. Engineering Seminar
- Geol 603: Earth Sciences I
- Geol 604: Earth Sciences II
- Geol 609: Earth Science Projects
- Geol 610: Earth Science Projects
- Geol 611: Advanced Studies in Geology
- Geol 613: Instrumental and Analytical Procedure
- Geol 614: Advanced Geographic Information Systems
- Geol 615: Geostatistics
- Geol 630: Coastal Plain Geology
- Geol 641: Clay Petrology
- Geol 642: X-Ray Diff Analysis Inorg Crys Materials
- <u>Geol 643: Advanced Geomorphology</u>
- <u>Geol 644: Advanced Paleontology</u>
- <u>Geol 645: Advanced Sedimentation</u>
- Geol 646: Advanced Stratigraphy
- <u>Geol 647: Sedimentary Petrology</u>
- <u>Geol 648: Metamorphic Petrology</u>
- Geol 649: Pedology
- Geol 690: Scientific Writing
- Geol 697: Thesis

