

**SD Mines GGE Dept. four-semester course rotation for graduate courses – 2022 - 2024**

<b>Semester</b>	<b>Course Number</b>	<b>Course Title</b>
Fall	GEOE 556/L	Statistical Methods in Geology and Geological Engineering/Lab
Fall	GEOE 566/L	Engineering and Environmental Geology/Lab
Fall	GEOE 567	Introduction to Geomechanics
Fall	GEOE 575/L	Groundwater/Lab
Fall	GEOE 700	Developing and Planning Research
Fall	GEOE 790	Seminar
Fall	GEOL 516/L	Introduction to Geographic Information Systems/Lab
Fall	GEOL 519	Advanced Geospatial Analysis
Fall	GEOL 520/L	Introduction to Remote Sensing/Lab
Fall	GEOL 521	Aqueous Geochemistry
Fall	GEOL 656L	Scanning Electron Microscopy Lab
Fall	GEOL 700	Developing and Planning Research
Fall	GEOL 790	Seminar
Fall	GEOL 808	Fundamental Problems in Engineering and Science
Fall-even	GEOL 572/L	Museum Collections Management/Lab
Fall-even	GEOL 633/L	Sedimentation/Lab
Fall-even	GEOL 710	Advanced Mapping Techniques
Fall-even	GEOL 7xx	Global Seismology
Fall-even	GEOL 771/L	Paleobiology/Lab
Fall-even	GEOL 773	Quantitative Methods in Paleontology
Fall-odd	GEOE 782/L	Fluvial Processes/Lab
Fall-odd	GEOL 556/L	Global Geophysics/Lab
Fall-odd	GEOL 573/L	Museum Exhibit Design/Lab
Fall-odd	GEOL 722	Advanced Structural Geology
Fall-odd	GEOL 728	Linear Inverse Methods
Fall-odd	GEOL 775/L	Phylogenetic Systematics/Lab

<b>Semester</b>	<b>Course Number</b>	<b>Course Title</b>
Spring	GEOE 561	Geothermal and Production Engineering
Spring	GEOE 575/L	Groundwater/Lab
Spring	GEOE 582/L	Applied Geomorphology/Lab
Spring	GEOE 790	Seminar
Spring	GEOL 516/L	Introduction to Geographic Information Systems/Lab
Spring	GEOL 517	Geospatial Databases
Spring	GEOL 624L	Analytical Methods in Geochemistry Lab
Spring	GEOL 790	Seminar
Spring-even	GEOE 768	Engineering Geology of Surficial Deposits
Spring-even	GEOE 7xx	Advanced Geomechanics
Spring-even	GEOL 535	Geomicrobiology
Spring-even	GEOL 575/L	Vertebrate Fossil Preparation and Conservation/Lab
Spring-even	GEOL 744	Volcanology
Spring-even	GEOL 772	Terrestrial Paleoecology
Spring-odd	GEOE 562/L	Well Logging and Core Analysis/Lab
Spring-odd	GEOE 711	Synthetic Aperture Radar Interferometry
Spring-odd	GEOE 766/L	Applied Groundwater Flow and Transport Modeling/Lab
Spring-odd	GEOL 532	Geochronology
Spring-odd	GEOL 544	Orogenic Systems
Spring-odd	GEOL 574	Paleontological Resource Management
Spring-odd	GEOL 576	Petroleum Geology
Spring-odd	GEOL 632	Rocky Mountain Stratigraphy
Spring-odd	GEOL 721	Planetary Geology
Spring-odd	GEOL 725	Geodynamics
Spring-odd	GEOL 774	Paleoenvironments
Summer	GEOL 571	Field Paleontology