

## Starting Fall 2023

Semester	Course	Title	Instructor	R = required for BS GEOL	R = required PROF E = professional elective for BS GEOE	notes
F	GEOE 110/L	Intro Geological/Mining Engineering	KWK/SWK	R	R	
F (Fall only starting in F23)	GEOE/MEM 201L	Surveying for Mining and Geological Eng.	VMK		R	
F	GEOE 466/566/L	Engineering & Environmental Geology	KWK		R	
F	GEOE 467/567	Introduction to Geomechanics	ZY		R	
F (Fall only starting in F23)	GEOE 475/575/L	Groundwater	LL		R	
F	GEOL 201/L	Physical Geology	TLM	R		
F	GEOL 212/L	Mineralogy and Crystallography	GKU	R	R	
F	GEOL 323/L	Search for Our Past	DCP	R		
F	GEOL 331/L	Stratigraphy and Sedimentation	LDS	R	R	
F	GEOL 416/516/L	Introduction to GIS	VMK	R	R	
F	GEOL 419/519	Advanced Geospatial Analysis	VMK			
F (Spring only starting in S25)	GEOL 420/520/L	Intro to Remote Sensing	VMK			
F	GEOL 421/521	Aqueous Geochemistry	SWK	R		
F	GEOL 464	Senior Research I	LCA	R		
F	GEOL 656L	Scanning Electron Microscopy	EFD			
F	GEOL/GEOE/MEM 700	Developing and Planning Research	TSW	GRAD R	GRAD R	
F	GEOL/GEOE 790	Seminar	faculty			
F-even	GEOL 710	Advanced Mapping Techniques	TSW			
F-even	GEOL 472/572/L	Museum Collections Management	NSF			
F-even	GEOL 633/L	Sedimentation	LDS			
F-even	PALE 771/L	Paleobiology	DCP	R-PALEO MS		
F-even	PALE 773	Quantitative Methods in Paleontology	SWK			
F-odd	GEOE 782/L	Fluvial Processes	LDS			
F-odd	GEOL 456/556/L	Global Geophysics	KMW	this or GEOE 324/L R		
F-odd	GEOL 473/573/L	Museum Exhibit Design	KAJ			
F-odd	GEOL 722	Advanced Structural Geology	TSW			
F-odd	GEOL 728	Linear Inverse Methods	TLM			
F-odd	PALE 775/L	Phylogenetic Systematics	DCP			
S	GEOE 221/L	Geology for Engineers	KWK		R	
S	GEOE 324/L	Engineering Geophysics I	KMW	this or GEOL 456/L R	R	
S	GEOE 456/556	Statistical Methods GEOL and GEOE	LL	R	R	
S	GEOE 461/561	Geothermal and Production Eng	ZY		R	
S	GEOE 464	Geol Engr Design Project II	LDS		R	
S	GEOE 482/582/L	Applied Geomorphology	LDS	R	PROF E	
S	GEOL 201/L	Physical Geology	TLM	R		
S	GEOL 322/L	Structural Geology	TSW	R	R	
S	GEOL 341/L	Igneous & Metamorphic Petrology	GKU	R	R	
S	GEOL 416/516/L	Introduction to GIS	VMK	R	R	
S	GEOL 417/517	Geospatial Databases	VMK			
S	GEOL 461/L	Invertebrate Paleontology	LCA	R		
S	GEOL 465	Senior Research II	faculty	R		
S	GEOL 624L	Analytical Methods in Geochemistry	SRB/SWK			
S	GEOL/GEOE 790	Seminar	faculty			
S-even	GEOE 768	Engr Geol of Surficial Deposit	LDS			
S-even	GEOE 455/555	Geomaterialurgy	staff			
S-even (not in S24)	GEOE 7XX	Advanced Geomechanics				
S-even	GEOL 308	Geologic Disasters and Society	KMW			
S-even	GEOL 435/535	Geomicrobiology	SWK			
S-even	GEOL 451/L	Economic Geology	CJP			
S-even	GEOL 475/575/L	Vertebrate Prep	Staff			
S-even	GEOL 744	Volcanology	GKU			
S-even	PALE 772	Terrestrial Paleogeology	DCP			
S-odd	GEOE 462/562/L	Well Logging and Core Analysis	staff			Course name in catalog still Well Log Analysis
S-odd	GEOE 711	Synthetic Aperture Radar Interferometry	KWK			
S-odd	GEOE 766/L	Digital Modeling Ground Water	LL			
S-odd	GEOL 351	Earth Resources and the Environment	CJP			
S-odd	GEOL 372	Dinosaurs	DCP			
S-odd	GEOL 432/532	Geochronology	TSW			
S-odd	GEOL 444/544	Orogenic Systems	KMW			
S-odd	GEOL 474/574	Paleontological Resource Management	NSF			
S-odd	GEOL 476/576	Petroleum Geology	Adjunct			
S-odd	GEOL 632	Rocky Mountain Stratigraphy	DCP			
S-odd	GEOL 721	Planetary Geology	GKU			
S-odd	GEOL 725	Geodynamics	TLM			
S-odd	PALE 774	Paleoenvironments	SWK			
Su	GEOE 410	Engineering Field Geology	Staff		R	
Su	GEOL 410	Field Geology	Staff	R		
Su	GEOL 416/516/L	Intro to GIS (Online, asynchronous)	Staff			
Su	GEOL 471/571	Field Paleontology	Staff	R-PALEO MS		
Off rotation						
	GEOL 450	Fluid and Thermal Diffusion		potential resource elective		
	GEOL 442/542/L	Optical Petrology				
	GEOL 644/L	Petrology of Igneous and Metamorphic Rocks				