

GEO 101N	General geology	Kathleen M. Harper	(Pre or co) with any geo course below 130
GEO 101N	General geology	TBA	Pre or co with any geo course below 131
GEO 102N	General geology	Laboratory TA	none
GEO 105N	Oceanography	Nancy Hinman	none
GEO 106N	History of Life	George D. Stanley	none
GEO 107N	Earthquakes, Volcanoes, and Natural Hazards (Internet Course)	Michael Sperazza	none
GEO 1XX	Intro to fossil fuels	James Staub	none
GEO 108N	Climate Change, Past and Future	Joel Harper	none
GEO 191	Special Topics	TBA	none
GEO 207	Geological Hazards and Disasters		Pre - min C in any 100-level geosciences course except 106
GEO 211	Earth History and Evolution	James Staub	Pre - any 100-level GEO course
GEO 226	Rocks, Minerals, & Resources	Julia A. Baldwin	Pre any GEO 100-level course, GEO102N, CHMY 121N or 141N
GEO 231	Geosciences Field Methods	Marc S. Hendrix	GEO101-1-2
GEO 260	River Systems	TBA	none
GEO 291	Special Topics	TBA	none
GEO 301	Environmental Geology	TBA	GEO101-102, M115 or 151, CS172 or equiv. experience
GEO 304E	Science and Society/Honors	Rebecca O. Bendick Kier	none
GEO 305	Igneous & Metamorphic Petrology	Julia A. Baldwin	GEO226, CHMY143
GEO 310	Invertebrate Paleontology	George D. Stanley	GEO101 or equiv
GEO 311	Paleobiology	George D. Stanley	GEO 310 or equiv
GEO 313	Curration Techniques	George D. Stanley	basic course in natural sciences
GEO 315	Structural Geology	James W. Sears	GEO 226
GEO 317	Planetary Science	James W. Sears	PHYS111/113 or 211/213 and M162, 171
GEO 320	Global Water	Nancy W. Hinman	One semester of college chemistry, WRIT101 or equiv
GEO 327	Geochemistry	TBA	One year of college chemistry and one semester of geology
GEO 382	Global Change	TBA	consent of instructor
GEO 391	Special Topics	TBA	
GEO 407	Global Biogeochemical Cycles		none
GEO 420	Hydrogeology	William Woessner	GEO101-1-2, PHY111/113, or 211/213, M162 or 171
GEO 425	Geology of the Pacific N.W.	TBA	GEO101
GEO 426	Sedimentary Geology Field Trip	TBA	none
GEO 429	Summer Geology Field Course	Hendrix / Sears / Thompson	GEO315 or consent of instructor
GEO 433	Global Tectonics	Rebecca Bendick	GEO 315 , M162, and 2.25 or better overall GPA in Geoscience courses
GEO 436	Subsurface Imaging In Archaeology	Steve Sheriff	successful completion of UM gen ed requirements for math and natural science
GEO 437	Seismology and Magnetism	Steve Sheriff	(Pre or Co) M172, GEO101-102, PHYS111/113
GEO 438	Gravity & Electromagnetics	Steve Sheriff	(Pre or Co) M172, GEO101-102, PHYS111/113
GEO 442	Architecture of Sedimentary Deposits	Marc Hendrix	none
GEO 443	Principles of Sedimentary Petrology	Marc Hendrix	graduate standing or GEO442
GEO 460	Process Geomorphology	Andrew C. Wilcox	Coreq one year college calculus and physics
GEO 469	Computer Modeling in Physical Science w\MATLAB	TBA	Coreq one year college calculus and physics
GEO 488	Snow, Ice, and Climate	Joel Harper	Math 121
GEO 491	Geosciences Colloquium	Guest Speakers	none
GEO 491	Petroleum Geology	James R. Staub	Structure, Chem 121, 123/124
GEO 491	Seismic Data Analysis in Hydrocarbon Reservoir Evaluation	Robert Lankston	
GEO 491	Applied Magnetism	Steve Sheriff	
GEO 491	Gravity Exploration	Steve Sheriff	
GEO 491	GIS and Geology	TBA	Consent of instructor
GEO 508	Fundamentals of Academic Research	Joel Harper	graduate standing
GEO 522	Metamorphic Terrain Analysis	Julie Baldwin	none

GEO 528	Sedimentary Basin Analysis	Marc Hendrix	none
GEO 531	Environmental Geochemistry Metal Contamination	Heiko Langner	GEO570, 579, CHMY442, FOR511, or consent of instructor
GEO 548	Topics in the Cryosphere	Joel Harper	graduate standing or instructor consent
GEO 560	Fluvial Geomorphology	Andrew C. Wilcox	one year college calculus and physics
GEO 570	Advanced Geochemistry		one year college chemistry
GEO 572	Advanced Hydrogeology	William Woessner	GEO420 or consent of instructor
GEO 573	Applied Groundwater Modeling		GEO 420 and consent of instructor
GEO 575	Clays and Clay Petrology		consent of instructor
GEO 579	Geochemistry of Hot Springs		one year college chemistry or consent of instructor
GEO 580	Topics in ...		all consent...
GEO 585	Surface and Groundwater Interaction	William Woessner	Consent of instructor
GEO 585	River Restoration: History, Development, Management and Policy	Johnnie Moore	Consent of instructor
GEO 587	Advanced Geomorphology Seminar	Andrew C. Wilcox	Consent of instructor
Math 162			appropriate placement score or one of M 121, 122 or 151
Math 274			M 162 or M 171
Math 171			M 122 or 151
Math 172			M 171
Physics 111/113N			M 122 or 151 (must also take 113N-Lab)
Physics 112/114N			PHYS 111N (must also take 114N-Lab)
Physics 211/213N			Prereq. or coreq., PHYS 213N and M 171
Physics 212			Prereq., PHYS 211N, PHYS 214N, and prereq. or coreq., M 172
Chemistry 121N			"C-" or equiv. in CHMY 121N
Chemistry 123N/124N			Prereq., high school algebra.
Chemistry 141N			Prereq., "C-" or better in CHMY 141N
Chemistry 143N			