

## General Two Year Course Offerings Schedule in the School of Earth Sciences

SUBJECT TO CHANGE -- SUBJECT TO CHANGE

Course Number	Course Name	Even years		Odd Years		Offering Frequency		
		Spring	Fall	Spring	Fall	every semester	every other semester	every other year
<b>EARTHSCI</b>	<b>GEC CLASSES</b>							
1100	Planet Earth: How it Works	•	•	•	•	Y		
1105	Geology of the National Parks	•	•	•	•	Y		
1108	Gemstones	•	•	•	•	Y		
1151	Natural Hazards	•	•	•	•	Y		
2203	Environmental Geoscience	•	•	•	•	Y		
2204	Exploring Water Issues	•	•	•	•	Y		
2206	Principles of Oceanography	•	•	•	•	Y		
2210	Energy, Mineral Resources, and Society	•	•	•	•	Y		
2155	Energy and the Environment	•		•			Y	
2205	Planets	•		•			Y	
	<b>CLASSES FOR MAJORS</b>							
1121	The Dynamic Earth	•	•	•	•	Y		
1121H	Honors Dynamic Earth	•	•	•	•	Y		
1122	Earth Through Time	•	•	•	•	Y		
1122H	Honors Earth Through Time	•		•			Y	
2245	Intro Data Analysis for Earth and Env Sci	•	•	•	•	Y		
4421	Earth Materials		•		•		Y	
4423	Introductory Petrology		•		•		Y	
4450	Water, Ice, and Energy in the Earth System	•		•			Y	
4501	Paleontology	•		•			Y	
4502	Stratigraphy and Sedimentation		•		•		Y	
4530	Structural Geology	•		•			Y	
4560	Applied Geophysics			•				Y
5203	Geo-Environment and Human Health	•		•			Y	
5206	Advanced Oceanography		•		•		Y	
5550	Geomorphology	•		•			Y	
5618	Advanced Historical Geology	•		•			Y	
5621	Introduction to Geochemistry		•		•		Y	
5622	Stable Isotope Biogeochemistry	•						Y
5627	Global Biogeochemical Cycles			•				Y
5642	Geomathematical Analysis	•		•			Y	
5646	Geodynamics		•					Y
5650	Glaciology			•				Y
5651	Hydrogeology		•		•		Y	
5655	Land Surface Hydrology		•		•		Y	
5661	Petroleum Geology	•		•			Y	
5680	Deep Earth Geophysics				•			Y
5687	Energy Geophysics	•						Y
5718	Aquatic Geochemistry				•			Y
5719	Environmental Organic Chemistry		•					Y
5751	Quantitative Reservoir Modeling		•		•		Y	
5780	Reflection Seismology		•		•		Y	
5781	Gravity Exploration		•					Y
5782	Magnetic Exploration				•			Y
	<b>PERIODICALLY OFFERED COURSES</b>							
1108H	Honors Gemstones							
5602.01	Carbonate Depositional Systems I*							
5602.02	Carbonate Depositional Systems II*							
5670	General and Econ Geology Selected Areas*							
5675	Scanning Electron Microscopy							
6750	Paleoclimatology ‡							
	<b>GEOD</b>							
5636	Geovisualization Geometry: Map Projections		•		•		Y	
5652	Adjustment Computations		•		•		Y	
5660	Geometric Reference Systems		•		•		Y	
5781	Geodesy and Geodynamics			•			Y	
6776	Physical Geodesy ‡	•		•			Y	
6777	Satellite Geodesy ‡	•		•			Y	
6786	Geospatial Data Structures Mapping and GIS ‡	•		•			Y	

### SUMMER COURSES

Course Number	Course Name	All Years
<b>EARTHSCI</b>		<b>Summer</b>
1100	Planet Earth: How it Works	•
1107	Field-Based Intro Oceanography	•
1121	The Dynamic Earth	•
1122	Earth Through Time	•
4798	Environmental Sustainability in Costa Rica**	•
5189.01	Field Geology I*	•
5189.02	Field Geology II*	•
5189.05	Field Geology for Educators: Lake Erie*	•
5584	Principles of Oceanography for Educators*	•

\* = field course    \*\* = field course in Mansfield campus listings but offered on main campus

‡ = graduate level course. Note that undergraduates cannot enroll in courses at the 6000-level or above.