

Course #			PROGRAM GOAL	GEOL 110 Phys. Geol	GEOL 230 Evol. Earth	GEOL 280 Mineralogy	GEOL 300 Petrology	GEOL 364 Stratigraphy	GEOL 365 Structure	GEOL 399 Field Geol.
Earth Fractionation			1a, 3a-c, 4a	I	R		S	S		
Rock Cycle Differentiation			1a, 2e, 3a-c, 4a-b	I	R		R			
Surficial Processes			1a, 2a-c,2e, 3a	I				R		R
Human-Earth Interactions			3a-c, 4b-e, 6a-b, 7a-d	S						
Deep Time			1a-b, 3a, 4b-c							
Geologic history			1a, 2d, 4b-c	I	R			R		
Biogeochemistry			2a-c, 3a-b, 4b		I					
Tectonic evolution			3c, 4a-f	I			R	R	R	R
Evolution			1b, 3a-d, 4c		I					
Crystallography			1a-c, 3a			I	R			
X-ray Diffraction			1a-c, 3a			R				
Mineral Chemistry			3a-c	I		R	R			
Physical Properties of Minerals			2a-e, 3a	I		R	R			
Igneous processes			2d-e, 3a	I			R	R	R	R
Metamorphic processes			2d-e, 3a	I		I	R		R	R
Flow Regime & Facies Elements			1c, 2c-d, 3b		I			R		R
Sequence Theory			1c, 2d, 3b					R		
Depositional Systems			1b-c, 2c-d, 3c	I				R		R
Geometric, Kinematic, Dynamic analyses			1c, 2a-d, 3a				I		R	
Brittle/Ductile Fabrics			2d-e, 3a						I	R
Fractal Tectonic analysis			1c, 2d, 3a, 4a		I			R		
Field relationships			1a, 2a-d, 4a-b, 5a-f		I			R	R	R
I = introduced in this course										
R = reinforced/applied in this course										
S = secondary focus in this course										