

Course Outcome Guide (COG)

Course:	GEOL 105: Physical Geology	Credits:	4	Instructor:	Lance Olson
Course Description:	Pre-requisite: None A Laboratory based geology course studying the dynamics and physical geology of the earth. Co-requisite: GEOL 105 Lab				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institution
<ul style="list-style-type: none"> *Rock cycle *Igneous rocks *Sedimentary rocks *Metamorphic rocks *Weathering and Soil *Mass wasting *Running water *Ground water *Glaciers and Glaciation *Deserts and Winds *Plate Tectonics *Earthquakes *Volcanoes and other igneous activity *geologic time scale 	<ul style="list-style-type: none"> * Use an understanding of geology principles to effectively solve problems. *Apply knowledge of subject material to explain natural physical processes. *Use correct Geologic terminology to explain concepts. * 	<ul style="list-style-type: none"> *Participate in class discussions and activities demonstrating knowledge of subject matter. *Complete examinations demonstrating acceptable skill level of concept and process. *Complete textbook readings, questions and problems (both individually and collaboratively) demonstrating acceptable skill levels of concept and process. *Design experiments and acquire data in order to explore physical principles and effectively communicate results. 	<ul style="list-style-type: none"> *Students will apply geology principles to real-world situations and/or future academic pursuits. *Students will work effectively within a collaborative group to achieve a distinct result. *Students will be able to Integrate learning theory with laboratory performance. 	<ul style="list-style-type: none"> Students will use reasoning skills to analyze and solve problems. 	<ul style="list-style-type: none"> Students will use reasoning skills to analyze and solve problems.