

Course Outcome Guide (COG)

Course:	ENGR 101: Graphical communications	Credits:	3	Instructor:	Lance Olson
Course Description:	Development of visualization, technical communication, and documentation skills. 3-D geometric modeling as applied to CADD applications using current methods and techniques commonly found in industry. Introduction to engineering, design and team problem solving.				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institution
<ul style="list-style-type: none"> *Guest speakers from different branches of engineering *Field trips to Drilling rig *Field trip to construction site. * Other field trips as they become available. *Out of class readings 	<ul style="list-style-type: none"> *Demonstrate through verbal and written communication the different possibilities in engineering. 	<ul style="list-style-type: none"> *Participate in class discussions and activities demonstrating knowledge of subject matter. *Complete textbook readings, questions and problems (both individually and collaboratively) demonstrating acceptable skill levels of concept and process. *Use writing as a tool to assess student understanding of math concepts and to assist in instruction. 	<ul style="list-style-type: none"> *Gain a knowledge base that will be used to help choose the appropriate field of engineering. Analytical-gathering, organizing, and evaluating information 	<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.