

Course Outcome Guide (COG)

Course:	Math 107: PreCalculus	Credits:	3		
Course Description:	Equations and inequalities; polynomial, rational, exponential, logarithmic, and trigonometric functions; applications.				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	Program	Institutional
<ul style="list-style-type: none"> Polynomial Equations and Inequalities Functions and their Graphs Polynomial Functions Rational Functions Exponential Functions Logarithmic Functions Trigonometric Functions Applications of Functions 	<ul style="list-style-type: none"> Solve basic linear/quadratic equations and inequalities. Describe a relation and function for an application problem. Analyze and construct graphs of polynomial/ rational functions. Evaluate and graph exponential/logarithmic functions. Evaluate and graph trigonometric functions Solve application problems 	<ul style="list-style-type: none"> Complete textbook readings, questions, and problems demonstrating mastery of both concepts and process skills. Complete examinations demonstrating mastery of both concepts and process skills. 	<ol style="list-style-type: none"> Use correct mathematical terminology and notation. Analyze real world applications and recognize methods to model it. Apply appropriate algebraic methods to solve functions and applications. Apply appropriate trigonometric methods to solve functions and applications. 	<ol style="list-style-type: none"> Students will use reasoning skills to analyze and solve problems. 	<ol style="list-style-type: none"> Students will use reasoning skills to analyze and solve problems.