

General Education Map for MATH 126

General Education Objective	Learning Outcomes	Measures
<p>Demonstrate knowledge of mathematical notation and concepts</p>	<p>At the end of the course, students should be able to:</p> <p>Solve a variety of equations including polynomial, exponential and logarithmic.</p> <p>Operate on functions, including basic mathematical operations, composition and inversion.</p> <p>Use the properties of logarithms.</p> <p>Analyze functions by finding roots, turning points, and asymptotes.</p> <p>Manipulate complex numbers and understand their relationship to the solutions of polynomial and rational equations.</p> <p>Solve nonlinear inequalities.</p> <p>Find the partial fraction decomposition of a rational expression.</p> <p>Perform basic operations on matrices including addition, subtraction, and multiplication.</p> <p>Solve systems of equations using various methods including elimination and determinants.</p>	
<p>Apply mathematical concepts and operations in proper written or graphical format</p>	<p>Graph a variety of functions including logarithmic, polynomial, rational, and exponential functions.</p> <p>Identify, obtain, and graph the equations of circles and parabolas.</p> <p>Demonstrate the appropriate mathematical format and notation in solving problems.</p>	
<p>Apply relevant mathematical skills in solving real-world problems</p>	<p>Use mathematical functions and relations to model real-world phenomena.</p>	