

Pre-Calculus Course Description		
First Trimester	Second Trimester	Third Trimester
Text:	Text:	Text:
Precalculus with Limits Outside Sources: Khan Academy	Precalculus with Limits Outside Sources: Khan Academy	Precalculus with Limits Outside Sources: Khan Academy
Objectives:	Objectives:	Objectives:
<ul style="list-style-type: none"> *To merge the skills from Algebra and Geometry into a unified function analysis approach to mathematics *To define functions, describe characteristics of functions, translate among verbal, numerical, graphical, and symbolic representations of functions 	<ul style="list-style-type: none"> *To encompass all previous math knowledge and expand in addition to adding new concepts such as trigonometry in order to achieve a higher level of thinking *To use functions, including trig, and their properties to model and solve real-life problems and situations 	<ul style="list-style-type: none"> *To continue previous objectives and resolve many math-related problems encountered in life *To prepare students for the rigorous approach used in calculus to unify and reinforce concepts previously presented
Topics:	Topics:	Topics:
<ul style="list-style-type: none"> *Functions(general) *Quadratic, Polynomial, and *Rational Functions *Exponential and Logarithmic functions 	<ul style="list-style-type: none"> *Introduction to circle trigonometry *Triangle Trigonometry *Graphing trig functions including applications and models *Additional trig including Law of Sines, Law of Cosines, and vectors 	<ul style="list-style-type: none"> *Trigonometric inverses, identities, and equations *Conic Sections *Parametric equations *Polar coordinates and equations