

	<p>Exponential Functions By the end of this course, students will:</p> <ul style="list-style-type: none"> • simplify and evaluate numerical expressions involving exponents, and make connections between the numeric, graphical, and algebraic representations of exponential functions; • identify and represent exponential functions, and solve problems involving exponential functions, including problems arising from real-world applications; • demonstrate an understanding of compound interest and annuities, and solve related problems. <p>Trigonometric Functions By the end of this course, students will:</p> <ul style="list-style-type: none"> • solve problems involving trigonometry in acute triangles using the sine law and the cosine law, including problems arising from real-world applications; • demonstrate an understanding of periodic relationships and the sine function, and make connections between the numeric, graphical, and algebraic representations of sine functions; • identify and represent sine functions, and solve problems involving sine functions, including problems arising from real-world applications. 	<p>Integrates learning from various subject areas and experiences</p> <p>thinks reflectively and creatively to evaluate situations and solve problems</p> <p>Integrates learning from various subject areas and experiences</p> <p>thinks reflectively and creatively to evaluate situations and solve problems</p>
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Assessment and Evaluation:

Category Weightings	Weight %
Knowledge/Understanding	30
Thinking	20
Application	30
Communication	20

Final Summative Assessments	Overall Weighting
Term Work	70 %
Course Culminating	10%
Exam	20%

Learning Skills and Work Habits

E= Excellent G=Good S=Satisfactory N= Needs Improvement

Responsibility	<ul style="list-style-type: none"> • Fulfills responsibility and commitments. • Takes responsibility for and manages own behavior.
Organization	<ul style="list-style-type: none"> • Devises and follows a plan and process for completing tasks. • Establishes priorities and manages time
Independent Work	<ul style="list-style-type: none"> • Independently monitors, assesses, and revises plans to complete tasks and meet goals. • Uses class time to complete tasks.
Collaboration	<ul style="list-style-type: none"> • Accepts various roles and an equitable share of work in a group. • Builds healthy peer-to-peer relationships.
Initiative	<ul style="list-style-type: none"> • Looks for and acts on new ideas and opportunities. • Approaches new tasks with a positive attitude.
Self-Regulation	<ul style="list-style-type: none"> • Sets own goals and monitors progress towards achieving them. • Seeks clarification or assistance when needed.