



## Trigonometry 10A & 10B Topic Outline

### 1st Quarter

#### Sequences and Series

- Sequences and Summation Notation
- Arithmetic Sequence
- Geometric Sequence

#### Conic Sections

- Circles
- Parabolas
- Ellipses
- Hyperbolas
- Shifted Conics

#### Trigonometric Functions: Right Triangle Approach

- Angle Measure

### 2nd Quarter

#### Trigonometric Functions: Right Triangle Approach

- Trigonometry of Right Triangles
- Trigonometric Functions of Angles
- Inverse Trigonometric Functions and Right Triangles
- The Law of Sines
- The Law of Cosines

### 3rd Quarter

#### Trigonometric Functions: Unit Circle Approach

- The Unit Circle
- Trigonometric Functions of Real Numbers
- Trigonometric Graphs
- More Trigonometric Graphs

### 4th Quarter

#### Analytic Trigonometry

- Trigonometric Identities
- Addition and Subtraction Formulas
- Double-Angle, Half-Angle, and Product-Sum Formulas
- Basic Trigonometric Equations
- More Trigonometric Equations