MATH 26

(GQ) **Plane Trigonometry** (3) Trigonometric functions; solutions of triangles; trigonometric equations; identities.

**Prerequisite:** MATH 021 or satisfactory performance on the mathematics proficiency examination; 1 unit of geometry

**TOPICS**

- Radians & Degrees
- Trig functions: Unit Circle
- Unit Circle & Right Triangle Trig
- Right Triangle Trig
- Trig functions - Any Angle
- Graphs: Sine and Cosine
- Graphs: Other Trig Functions
- Inverse Trig Functions
- Applications & Models
- Fundamental Identities
- Using Fundamental Identities
- Verifying Trig Identities
- Solving Trig Equations
- Sum & Difference Formulas
- Other Trig Formulas
- Law of Sines
- Law of Cosines
- Vectors in the Plane
- Vectors & Dot Products
- Complex Numbers
- Complex Solutions
- Trig Form of a Complex Number
- DeMoivre's Thm