MATH 110 – Trigonometry – SYLLABUS
Department of Mathematics
Millersville University

Description

For students preparing to take calculus who need additional background in trigonometry. Beginning with angles, numerical trigonometry and triangle solving, it develops the concepts and analytical skills required in calculus: identities, inverse functions, trigonometric equations, graphs and applications. (2 credits)

Prerequisites

MATH 101 or math placement testing/evaluation before registration and high school algebra I, II and geometry.

Course Objectives

By the conclusion of this course the successful student will be able to:

- Analyze and classify angles, converting between units, using the arc length formula, and using the relationship between linear and angular speed.
- Define and find the exact values of the six trigonometric functions.
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Topics

- Measurement of Angles, Arcs, and Sectors
- The Trigonometric Functions
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