Course Objectives/Course Outline
Spokane Community College

Course Title: Applied Technical Math and Physics
Prefix and Course Number: CAD 137

Course Learning Outcomes:
By the end of this course, a student should be able to:

- Performing algebraic operations
- Rearranging formulas
- Utilizing geometric formulas and concepts
- Utilizing trigonometric formulas and concepts
- Understand and apply principles of physics
- Analyzing and solving complex practical problems

Course Outline:

I. Algebra and Geometry Review
II. Solid Geometry
   A. Areas
   B. Volumes and Weights
   C. Density and Specific Gravity
III. Physics Concepts
   A. Velocity and acceleration
   B. Force and motion
   C. Work, power and energy
   D. Vectors
IV. Introduction to Engineering Math Applications
   A. Statistics
   B. Charts and graphs
   C. Vectors