

Course Objectives/Course Outline
Spokane Community College

Course Title: Applied Mathematics

Prefix and Course Number: APLED 112

Course Learning Outcomes:

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

- Estimate appropriately
- Use several kinds of calculators
- Measure accurately using English and metric units
- Convert between English and metric units
- Calculate correctly for personal projects
- Analyze basic quantitative techniques used in business
- Perform personal financial matters accurately
- Analyze math as it is presented in current events
- Develop accurate data from which to make informed consumer decisions
- Solve word problems using a series of appropriate steps
- Apply quantitative methods in real-life situations

Course Outline:

- I. Estimating and Rounding
 - A. Measurement
 - B. Cost Estimating
- II. Calculators
 - A. Scientific
 - B. Algebraic
 - C. Reverse Polish
 - D. Graphing
 - E. Programmable
- III. Measuring Systems
 - A. Metric System
 - B. English System
 - C. Other Systems
 - D. Conversion between Systems
- IV. Practical Applications
 - A. Design
 - B. Blueprint/Plan Reading
 - C. Measurement
 - D. Specialty Math

- V. Consumer Math
 - A. Purchasing Decisions
 - B. Transportation
 - C. Advertising
 - D. TV and Radio Reports
- VI. Word Problems
 - A. Analytic Process
 - B. Drawings
 - C. Charts
 - D. Reasonable Answers
- VII. Quantitative Reasoning
 - A. Numerical
 - B. History of Quantitative Reasoning
 - C. Math Vocabulary
 - D. Fear of Math