

Course Objectives/Course Outline

Spokane Community College

Course Title: Shop Math

Prefix and Course Number: PMF 201

Course Learning Outcomes:

By the end of this course, a student should:

- Understand and apply the order of operations
- Perform algebraic operations on decimals and fractions
- Recognize and interpret algebraic terminology and symbolism
- Simplify expressions and solve equations
- Perform unit conversions
- Use formulas applicable to metal fabrication environment
- Understand and apply basic geometry and trigonometry principles

Course Outline:

A. *NOTE:* This course schedule is subject to change at the discretion of the instructor.

<p>Week 1: Introduction & Review Review of arithmetic Decimals</p>	<p>Week 7: Principles of Algebra Solving algebraic equations</p>
<p>Week 2: Fractions Fractions Conversion between decimals and fractions</p>	<p>Week 8: Principles of Algebra Applied algebraic equations</p>
<p>Week 3: Fractions, continued Fractions – addition and subtraction Introduction to geometry and trigonometry</p>	<p>Week 9: Geometry & Trigonometry Geometry & Unit conversions Identify and use trigonometry functions</p>
<p>Week 4: Introduction to Algebra Introduction to Algebra</p>	<p>Week 10: Trigonometry Applied Trigonometry Introduction to Statistics</p>
<p>Week 5: Principles of Algebra Principles of Algebra Review for Midterm</p>	<p>Week 11: Review for Final Review for Final</p>
<p>Week 6: Midterm Exam Midterm Exam covers skills learned in Weeks 1 thru 5</p>	<p>Week 12: Final Exam Final Exam covers skills learned in Weeks: 1 thru 10</p>