



MONROE COUNTY
COMMUNITY COLLEGE

Course Outcome Summary

Standard Course

MATH 119 Elementary Technical Mathematics

Course Information

Division Science/Mathematics
Contact Hours 30

Total Credits 2

Prerequisites ENGL 090 and RDG 090 and MATH 090 or qualifying score on accepted placement test.

Course Description

This course provides basic mathematics preparation for students in technology programs. It emphasizes fundamental operations of algebra and the solution of linear equations relating to technical applications. The course also includes estimation, scientific and engineering notation, proportion and variation, measurement systems and conversion methods, precision, accuracy and error. The purpose of this course is to acquaint students with the type of mathematics that is used in the technical area.

Course Outcomes

In order to evidence success in this course, students will be able to:

1. Identify scientific notation.
2. Identify engineering notation.
3. Demonstrate written solutions to applied problems using appropriate notation and units.
4. Demonstrate solutions to applied problems using given formulas.
5. Demonstrate solutions to applied word problems involving percents, ratios, proportions and variations.
6. Rearrange formulas to solve for any specified variable.
7. Demonstrate estimation of answers to arithmetic operations without performing extensive pencil and paper calculations or using a calculator.
8. Demonstrate conversion of a given measurement to another specified equivalent using conversion factors.

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