2022-23
ACADEMIC CATALOG



Midway University

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Course 2
MTH 120 - Basic Mathematics 2

Course

MTH 120 - Basic Mathematics

Basic Mathematics is designed to prepare the student for MTH 135, MTH 139, and MTH 145. Topics include: various classes of numbers (rational, real, etc.); the PEMDAS rule; solving linear equations; percentages; ratios; conversions between the metric and U.S. Customary systems; elementary geometry; simple and compound interest. Minimum grade of C required for successful completion. This course counts as an elective for graduation but may not be used to meet specific program requirements.

Upon completion, students will be able to:

- Perform operations involving whole numbers, integers, fractions, and decimals without use of calculator.
- Simplify and evaluate numerical and variable expressions using commutative properties, associative properties, distributive properties, order of operations, exponents, and combining like terms.
- Solve single variable equations in one variable involving two or more operations.
- Solve problems involving ratio, proportion, and percent.
- Calculate simple interest using the simple interest formula.
- Solve applied problems by defining variable expressions, writing an algebraic expression or linear equation, solving the expression or equation, and writing an answer to the question in context.
- Determine area, volume, and perimeter of simple geometric figures.

Grade Basis: L
Credit hours: 3.0
Lecture hours: 3.0
Lab hours: 0.0

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