



Division: Science/Mathematics **Area:** Mathematics
Course Number: MATH 125 **Course Name:** Mathematics for Allied Health
Prerequisite: MATH 090 or qualifying score on ACT or COMPASS test
Corequisite: None
Hours Required: **Class:** 45 **Lab:** 0 **Credits:** 3 (three)

Course Description/Purpose

This course covers practical application of addition, subtraction, multiplication, division, decimals, fractions, conversion of units, ratio and proportion problems, estimation (including reasonableness of numerical result), precision, accuracy, variation, measurement systems, conversion methods, review of the Roman numeral system, use of algebraic formulas and solving algebraic word problems as related to the medical profession. The purpose of this course is to give the student competency in the mathematics used in the medical profession.

Major Units

- Decimals, fractions, percents
- Units of measurement and conversions
- Ratio/Proportion
- Using formulas
- Estimation
- Basic Algebra

Educational/Course Outcomes

Student learning will be assessed by a variety of methods, including, but not limited to, quizzes and tests, journals, essays, papers, projects, laboratory/clinical exercises and examinations, presentations, simulations, portfolios, homework assignments, and instructor observations.

Cognitive Each student will be expected to *Identify/Recognize*. . .

- Household units;
- Metric units;
- Apothecary units
- Military time;
- Formulas pertinent to the allied health field;

Performance Each student will be expected to *Demonstrate/Practice*. . .

- Basic operations with whole numbers, decimals, fractions;
- Solve ratio/proportion problems;
- Convert within commonly used measurement systems;
- Solve basic algebra problems;
- Solve application problems pertinent to Allied Health;
- Reasonably estimate numerical solutions.