

# AH 105 : CALCULATIONS FOR ALLIED HEALTH

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## Transcript title

Calculations for Allied Health

## Credits

3

## Grade mode

Pass/No Pass grades

## Contact hours total

30

## Lecture hours

30

## Prerequisites

MTH 060 (or higher) or minimum placement into MTH 095.

## Description

Reviews basic mathematical skills required to perform calculations without a calculator. The second portion of the class introduces application of mathematical concepts to solve clinically relevant problems by the student's specific Allied Health program(s). P/NP grading.

## Learning outcomes

1. Demonstrate mental math skills, number sense, and proportional reasoning.
2. Demonstrate knowledge of basic math computations with whole numbers, fractions, decimals, and percents.
3. Apply mathematical computations to solve linear equations; in particular, proportions.
4. Identify and appropriately use, in context, basic units of measurement in the metric, household, and apothecary measurement systems.
5. Convert among measurement systems.
6. Identify abbreviations and understand symbols used in calculating medication dosages.
7. Apply mathematical concepts studied in this course to discipline specific problems.

## Content outline

1. Multiplication, division, and rounding
2. Ratios, reduction, and equivalencies
3. Decimals and percents
4. Proportions
5. Metric, household, apothecary measurements
6. Discipline-specific application of earlier math concepts

## Required materials

This course may require a textbook and/or software.

## Grading methods

This course is pass/no pass; each topic needs to be passed with an 80% or higher and some tests are required to be taken without a calculator.

## General education/Related instruction lists

- Related Instruction/Computation