Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

MAT 1130 - Allied Health Mathematics

Division: Science, Mathematics and Engineering

Department: Mathematics

Credit Hour Total: 3.0 **Lecture Hrs:** 3.0

Prerequisite(s): MAT 0050

Date Revised: May 2016

Course Description:

Solve allied health applications; convert within and between metric, household and apothecary systems; read and interpret allied health graphs, labels and forms; calculate and apply statistical concepts; solve problems involving scientific notation. Traditional testing (proctored or in Testing Center) is used in all online sections.

General Education Outcomes:

- Critical Thinking/Problem Solving Competency

Course Outcomes:

Graphs, Labels and Forms
Read and interpret and/or complete graphs, labels and forms related to allied health.

Assessment Method: Locally developed exams
Performance Criteria:

Passing grade with a score of 70% or better on exams

Assessment Method: Simulations
Performance Criteria:

Scores of 70% or better on activites involving this outcome

Statistics
Calculate and apply appropriate statistical concepts such as mean, median and mode.

Assessment Method: Locally developed exams
Performance Criteria:

Passing grade with a score of 70% or better on exams

Assessment Method: Simulations
Performance Criteria:

Scores 70% or above on activities involving this outcome

Mathematical Computation
Accurately compute with fractions, decimals, percentages, ratios and proportions as needed for a variety of allied health applications.

Assessment Method: Locally developed exams
Performance Criteria:

Passing grade with a score of 70% or better on exams

Measurement Conversion
Convert appropriate units of measurement between and within the metric, household and apothecary systems and systems of time, temperature, length and weight.

Assessment Method: Locally developed exams
Performance Criteria:

Passing grade with a score of 70% or better on exams

Assessment Method: Simulations
Performance Criteria:

Scores 70% or above on activities involving this outcome

Outline:

Compute with fractions, decimals, percentages, ratios and proportions as needed for allied health applicationsConvert within and between metric, household and apothecary systemsRead, interpret and complete allied health graphs, labels and formsCalculate and apply statistical conceptsSolve problems involving scientific notation