

Cañada College

Math 880CA Basic Mathematics for Health Science ONLINE Spring 2010

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Office Hours: Mondays 2:30-3:30pm at the Learning Center and by arrangement.

Course Description: Covers basic mathematical skills necessary for the Health Science field. Topics include basic operations with real numbers, scientific notation, ratios, proportions, percentages, basic statistics, and Apothecary measurement. Units do not apply toward AA/AS degree.

Prerequisite: None.

Student Learning Outcomes: By the end of this course, you will be able to...

1. Perform basic mathematical operation on whole numbers, fractions, and decimals.
2. Set up and solve a proportions and percent problem.
3. Perform apothecary measurements and conversions.
4. Compute basic descriptive statistics.

Course Content:

Unit 1: Review of Numbers:

Whole Numbers, Fractions, Percent/Decimals, Scientific Notation

Unit2: Basic Algebra

Proportions, Solving Linear Equations

Unit 3: Apothecary Measurement and Unit of Conversion

Metric Systems, Apothecary Measurement, Dosage Calculations

Unit 4: Basic Statistics

Graphs, Descriptive Statistics, Control Charts

Course Structure: All your work will be done through the course website, WebAccess: <http://smccd.mrooms.net/>. Each unit (above) will have sections and each section will have one or more lessons. You will need to go through the lessons with practice problems. After completing the lesson in a section, there will be an exit quiz that will complete the section.

Quizzes: Each section will be followed by a mastery quiz. You will need to score above a 70% in each quiz in order to move on to the next section. You may take the quizzes as many times as you need.

Academic Integrity Statement:

Don't cheat! Cheating is a violation of academic integrity. A student caught cheating will receive a failing grade for the assignment in question and a report will be submitted to the Vice President of Student Services. Any other occurrences of cheating will result in more serious reprimands.