

**COLUMBUS STATE COMMUNITY COLLEGE
MATHEMATICS DEPARTMENT COURSE SYLLABUS**

COURSE NUMBER: Math 100

COURSE NAME: Calculations and Dosages

CREDIT HOURS: 2

FOLLOW UP COURSE: none

PREREQUISITE: DEV030 with a grade of "C" or higher or placement by COMPASS

COURSE DESCRIPTION

A review of the fundamental operations of arithmetic with fractions and decimal fractions; ratio and proportion calculations; an introduction to the metric and apothecary systems of measure; metric-household conversions; strengths of solutions; oral dosages and parenteral dosages; pediatric dosages by body weight; intravenous calculations.

GOALS OF COURSE

To review and/or introduce the mathematics necessary for a student to succeed in basic and technical courses in the Veterinary Technology, the Medical Assisting Technology, and the Practical Nursing Certificate Program.

TEXTBOOK AND SPECIAL EQUIPMENT REQUIRED

- *Dosage Calculations*, 8th ed., Pickar, Delmar Publishers, Inc. 2008.
- *Dosage Calculations* Tutorial Software, version 2.0

This software CD is included when the textbook is purchased. The software is also available in the department's two computers labs , DH104 & 107, and in the computer commons.