

SPRINGFIELD TECHNICAL COMMUNITY COLLEGE

ACADEMIC AFFAIRS

Course Number: MAST 319 Department: Medical Assisting

Course Title: Dosage/Calculations Semester: Spring Year: 1999

Objectives/Competencies

Course Objective	Competencies
1. Upon completion of this course, students will be able to master the computation of dosage problems with an accuracy of 86% or better each time.	<ol style="list-style-type: none">1. Perform basic mathematical computations essential for calculating drug dosages.2. Identify abbreviations and symbols used in the preparation and administration of medications.3. Interpret medication orders.4. Identify units of measure appropriate to the household, metric and apothecary systems.5. Derive the approximate equivalent, convert from one system of measurement to another or from one unit measurement to another within the same system.6. Calculate the correct oral dosage in tablet or liquid form to be administered to the patient.7. Given a parenteral drug in liquid form, calculate the correct volume to be administered to equal the dosage ordered.8. Calculate insulin dosages.9. Perform calculations for pediatric doses using two methods: body surface and body weight.