

Course Content Summary

Course Prefix and number: NUR 135

Credits: 2

Course Title: Dosage Calculations

Course Description

Focuses on the metric system and the use of ratio and proportion in the calculation of medications for adult and pediatric clients. Provides a practical approach to learning to calculate and prepare medications and solutions. Includes the calculation of intravenous flow rates. Lecture 2 hours per week.

Course Prerequisites

Placement test recommendation for MTH 120 or satisfactory completion of MTH 2 or equivalent.

Course Objectives:

Upon successful completion of the course, the student will be able to

- a. Solve basic arithmetic problems involving fractions, decimals, ratio and proportion.
- b. Solve word problems.
- c. Solve applied nursing dosage calculation problems involving the following: metric, apothecary, conversion, oral, parenteral, IV rates and volumes, and pediatric dosages.

Major Topics to be Included:

- a. Fractions/decimals
- b. Ratio/proportion
- c. Word problems
- d. Metric conversions
- e. Oral/parenteral dosages
- f. IV rates/volumes
- g. Pediatric problems

Effective Date of course Content Summary: March 26, 2009