

MATH 91 - Applied Math for Health Professionals Course Outline

Approval Date: 03/12/2020

Effective Date: 08/14/2020

SECTION A

Unique ID Number CCC000615980

Discipline(s) Mathematics

Division Mathematics

SECTION B

General Education Information:

SECTION C

Course Description

Repeatability May be repeated 0 times

Catalog Description This class is for students in the health professions who need review of math concepts such as ratios, fractions and measurements of the metric system. The topics covered specifically apply to health occupations.

Schedule Description

SECTION D

Condition on Enrollment

1a. **Prerequisite(s):** *None*

1b. **Corequisite(s):** *None*

1c. **Recommended:** *None*

1d. **Limitation on Enrollment:** *None*

SECTION E

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2. In chapter 11, read the section titled "Oral Dosages Involving Capsules and Tablets: Dimensional Analysis Method." Be ready to discuss the section in class and work on problems in class.

B. Writing Assignments

Writing Assignments from the textbook

Students will solve problems from the workbook for the class

1. Complete the Chapter 2 decimal pretest to prepare to start Chapter 2 decimals in class.

2. Complete 1-10 on the Chapter 12 Parenteral Dosages worksheet and bring to class for discussion.

C. Other Assignments

D.

4. Required Materials

A. EXAMPLES of typical college-level textbooks (for degree-applicable courses) or other print materials.

Book #1:

Author: Ogden, S.,J., Fluharty, L.
Title: Calculation of Drug Dosages
Publisher: Elsevier
Date of Publication: 2020
Edition: 11th

Book #2:

Author: Morris, D. G.
Title: Calculate with Confidence
Publisher: Elsevier
Date of Publication: 2018
Edition: 7th

Software #1:

Title: Elsevier Adaptive Quizzing for Calculation of Drug Dosages