



PHARMACOLOGY AND MATH FOR MEDICAL ASSISTANTS — MDAS 1702

A. Course Description

- **Credits:** 4.00
- **Lecture Hours/Week:** 4.00
- **Lab Hours/Week:** 0.00
- **OJT Hours/Week:** 0
- **Prerequisites:** None
- **Corequisites:**
 - MDAS 1232: Clinical Procedures II

- **MnTC Goals:** None

The objective of this course is to introduce the study of medications and their uses in the ambulatory care setting. Basic mathematics in relation to calculation of dosages will be taught. Medical Assistant students will learn the techniques needed for administration of medication. Pre-requisite: Concurrent with MDAS 1232.

B. Course Effective Dates: 8/27/12 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Apply general concepts of pharmacokinetic and pharmacodynamic processes and their application in drug therapy and the medical assistant process.
2. Demonstrate competency in calculating medication dosages.
3. Demonstrate knowledge of basic math computations.
4. Describe the professional responsibility and standards of practice for the professional medical assistant as related to the medication administration process
5. Identify classifications of medications including indications for use, desired effects, side effects and adverse reactions.
6. Select proper sites for and administer parenteral medications.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted