Course Information Form (CIF)

Course Code: MAS 155

Course Title: Pharmacology for Medical Assistants

Department: Allied Health
Effective Date: Summer 2026
PCS Code: 1.2 - Occupational/Technical Instruction
CIP Code: 51.0801
Repeatability: 0

Credit Hours

Catalog Notation: 2-0-2
Credit Hour Distribution:

Lecture: 2	Lab: 0	Clinical: 0	**Total: 2**

General Course Information

Catalog Description

Chemical, generic, and trade names; drug references; pharmacological principles; routes of administration; Federal and Illinois regulations; classifications; abbreviations and symbols for drug measurement, administration, and prescription.

General Course Objectives

At the end of course, the student will be able to identify the fundamental skills relating to the pharmacological principle of drug identification and administration in adherence to Federal and State of Illinois regulations.

Minimum Placement Levels

English	Reading	Math
Placement out of ENG 099	Placement out of CCS 098	Placement into MAT 060

Prerequisites

Approval of program director or department chair

Methods of Evaluation

7-9 quizzes, 1 midterm, 1 final, 6-8 weekly assignments, 4-6 discussion boards, and 1 essay.

Instructional Materials and Additional Supplies

Principles of Pharmacology for Medical Assisting, Jane Rice. 6th Edition. ISBN-13: 9781305859401

Course Content

General Learning Outcomes (GLOs)

- Reasoning and Inquiry: Students will demonstrate the ability to solve problems using deductive reasoning and logic, quantitative reasoning, or the scientific method.

Course Segments and Student Learning Outcomes

Course Segment	Learning Outcomes	Lecture Hours	Lab Hours	Clinical Hours
Drug Names and References	1. Report the chemical, generic, and trade names for drugs. 2. Cite product information and uses. 3. Describe precautions for selected types of drugs.	4	0	0
Drug Safety	1. Identify federal and Illinois regulatory agencies. 2. Describe the steps in the drug approval process.	2	0	0
Pharmacological Principles	1. Describe and explain pharmacokinetics and pharmacodynamics. 2. Interpret routes of drug administration and safety precautions. 3. Restate common abbreviations, symbols, and measurements used in a prescription.	4	0	0
Drug and Medication Information	1. Recognize drug classification, application, side effects, adverse effects, and patient teaching for diverse clients of selected drugs or medications based on the scope of practice.	16	0	0
Pediatric Medications	1. Identify the routine pediatric immunizations for infants and children ages zero through eighteen. 2. Recite routes of delivery for each medication. 3. Describe precautions and contraindications for each immunization. 4. State adverse reactions and side effects for each immunization.	2	0	0
Herbs, Vitamins, Minerals, Amino Acids, and Lipids Used in Illness	1. Make sense of the body's need for vitamins and minerals. 2. Give examples of the differences and similarities between Eastern philosophy and Western philosophy with regard to medicine. 3. Report common herbs, vitamins, and minerals that patients use today.	2	0	0

Total Contact Hours

Lecture Hours	Lab Hours	Clinical Hours
30	0	0