

SOUTHEAST COMMUNITY COLLEGE
HEALTH SCIENCES DIVISION
PHARMACY TECHNICIAN
Revision Date: 10/2022

I. CATALOG DESCRIPTION

Course Number: PHRM 1020/PHRM 1020L
Course Title Pharmacology Basics 2
Prerequisite(s): Admission into the Pharmacy Technician Program

Catalog Description: This course introduces students to the general principles of pharmacology and sufficient background information so they will be able to play a key role in avoiding dispensing errors. Drugs are explored in the context of classes, mechanism of action, disease types, and body systems. An emphasis is placed on the top 200 drugs most commonly prescribed drugs but many more drugs will be discussed.

Credit Hours: 3
Class Hours: 30
Lab Hours: 45
Total Contact Hours: 75

II. COURSE OBJECTIVES: *Course will:*

1. Demonstrate basic knowledge of anatomy, physiology and pharmacology, and medical terminology relevant to the pharmacy technician's role.
2. Identify the top 200 drugs by their brand and generic names, classification, properties, actions, and effects on various systems of the body.
3. Demonstrate and apply understanding of detailed information regarding drug dosages, side effects, interactions, toxicities, and incompatibilities for safe medication practices.

III. STUDENT LEARNING OUTCOMES AND GENERAL EDUCATION LEARNING OUTCOMES:

A. STUDENT LEARNING OUTCOMES: *Student will be able to:*

1. Provide safe pharmacy services by:
 - a. Developing an understanding of drug classes and mechanisms of action for many drugs.
 - b. Identify body systems and why drugs are prescribed for particular diseases.
 - c. Recall common side effects related to drug classifications.
 - d. Identify potential drug interactions.

B. GENERAL EDUCATION LEARNING OUTCOMES

1. GELO 3: Critical Thinking & Problem Solving

The student will demonstrate the ability to collect, identify, interpret, and analyze data.

IV. CONTENT/TOPICAL OUTLINE (*course outline may provide more detailed information*)

A. Body Systems and Corresponding Drug Therapies

1. The Gastrointestinal System and Drug Therapy
2. The Endocrine System and Drug Therapy
3. The Reproductive System and Drug Therapy
4. The Renal System and Drug Therapy

B. Pharmacology and Multi-Systems

1. The Immune System, Antibiotics, and Drug Therapy
2. The Immune System, Antivirals, and Drug Therapy
3. Pain, Anesthesia, and Drug Therapy
4. Nutrition, Fluids, and Electrolytes and Drug Therapy
5. Cancer and Drug Therapy

V. INSTRUCTIONAL MATERIALS

A. Required Text(s):

McKennon, Skye A., *Pharmacology for Technicians*, (current ed.). EMC Paradigm, 2021.

B. Other Resources:

Workbook, 978-0-76386-784-3

VI. METHODS OF PRESENTATION/INSTRUCTION

A. Methods of presentation typically include a combination of the following:

1. Lecture
2. Lab Activities
3. Group discussion
4. Role-playing
5. Student prepared case studies
6. Guest speakers
7. Transparencies, handouts, videos, power points
8. Demonstrations
9. Online web resources
10. Homework and class participation

VII. METHODS OF EVALUATION

A. Methods of evaluation typically include a combination of the following:

1. Refer to the Southeast Community College catalog for the grading scale or see below.
2. Refer to the Course Information Document (CID) for specifics.

SCC STANDARD GRADING SCALE POLICY:

A+	95-100	C+	75-79
A	90-94	C	70-74
B+	85-89	D+	65-69
B	80-84	D	60-64
		F	Below 60

VII. SPECIFIC COURSE REQUIREMENTS:

- A. A grade of C or better is required to advance to the next semester.
- B. Refer to the Course Information Document (CID)