

PHM-1300: INTRODUCTION TO PHARMACY PRACTICE

Cuyahoga Community College

Viewing: PHM-1300 : Introduction to Pharmacy Practice

Board of Trustees:

February 2019

Academic Term:

Fall 2021

Subject Code

PHM - Pharmacy Technology

Course Number:

1300

Title:

Introduction to Pharmacy Practice

Catalog Description:

Overview of fundamentals of pharmacy practice including technician's role in drug distribution in various settings, pharmacy abbreviations and terminology, management, organizations, information resources, regulations, law and ethics.

Credit Hour(s):

3

Lecture Hour(s):

3

Lab Hour(s):

0

Other Hour(s):

0

Requisites

Prerequisite and Corequisite

ENG-0995 Applied College Literacies, or appropriate score on English Placement Test; or departmental approval.

Note: ENG-0990 Language Fundamentals II taken prior to Fall 2021 will also meet prerequisite requirements.

Outcomes

Course Outcome(s):

A. Interpret the principles of pharmacy practice as they relate to law, ethics, communications, respect, and teamwork.

Objective(s):

1. Identify four pharmacy practice settings and list the duties of pharmacy technicians and pharmacists in each.
2. Relate principles of ethics to pharmacy practice.
3. Discuss laws and regulations governing pharmacy practice.
4. Describe the basics of verbal and nonverbal communication in the health care setting and relate these to respectful interactions with health care professionals and patients.

Course Outcome(s):

B. Apply basic principles of anatomy and physiology, pharmacology, and dosage forms to the health care delivery system.

Objective(s):

1. Demonstrate understanding of healthcare occupations and the health care delivery system.
 2. Demonstrate understanding of wellness promotion and disease prevention concepts.
 3. Demonstrate knowledge and skills in areas of science relevant to the pharmacy technician's role.
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Course Outcome(s):

C. Perform mathematical calculations essential to the duties of pharmacy technicians in a variety of contemporary settings.

Essential Learning Outcome Mapping:

Quantitative Reasoning: Analyze problems, including real-world scenarios, through the application of mathematical and numerical concepts and skills, including the interpretation of data, tables, charts, or graphs.

Objective(s):

1. Demonstrate a knowledge of the measurement systems used in pharmacy and the relationships and conversions between them.
2. Demonstrate the procedures involved in calculating dosages, days' supply, concentration and dilution, and percent strength.

Course Outcome(s):

D. Apply a knowledge of pharmacy practice basics to future coursework in the Pharmacy Technology Program.

Objective(s):

1. Demonstrate understanding of the pharmacy technician's role in the medication-use process.
2. Demonstrate understanding of major trends, issues, goals, and initiatives taking place in the pharmacy profession, and non-traditional roles of pharmacy technicians.
3. Recognize and use appropriately the most common terminology, abbreviations, and symbols associated with the practice of pharmacy.
4. Describe technician duties in the areas of sterile and nonsterile compounding, repackaging, and filling medication orders and prescriptions.
5. Describe patient- and medication-safety issues and practices in health care and pharmacy.
6. Discuss business applications as they relate to the practice of pharmacy.

Methods of Evaluation:

1. Written assignments
2. Quizzes
3. Oral presentations
4. Written examinations

Course Content Outline:

1. Introduction to pharmacy practice
 - a. Pharmacy law and ethics
 - b. Community and ambulatory practice
 - c. Hospital pharmacy practice
 - d. Home care pharmacy practice
 - e. Specialty pharmacy practice
 - f. Drug information
2. Foundation knowledge and skills
 - a. Communication and teamwork
 - b. Basic anatomy and physiology
 - c. Basic pharmacology
 - d. Dosage forms and routes of administration
3. Practice basics
 - a. Processing medication orders and prescriptions
 - b. Medical terminology
 - c. Pharmacy calculations
 - d. Nonsterile and sterile compounding and repackaging
 - e. Medication safety
4. Business applications
 - a. Medical equipment, devices and supplies
 - b. Purchasing and inventory control
 - c. Billing and reimbursement

Resources

Allen et al, ed. *Remington: The Science and Practice of Pharmacy*. 22nd ed. Easton, PA: Mack Publishing, 2012.

Bachenheimer, Bonnie S. *Manual for Pharmacy Technicians*. 4th ed. Bethesda, MD: ASHP, 2011.

McKennon SA and Ballington DA. *Pharmacy Calculations for Technicians*. 6th ed. St. Paul, MN: EMC Paradigm, 2016.

Peshek, Stephanie C. . *Professional Skills for the Pharmacy Technician* . 1st ed. Bradenton, Florida, Jones & Bartlett Learning, LLC, 2017.

Resources Other

1. Ohio State Board of Pharmacy website: <http://pharmacy.ohio.gov/>
2. Various topical journal articles.

Instructional Services

CTAN Number:

Career Technical Assurance Guide CTPT001 (2 of 2 courses, both must be taken)

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