

Course Objectives/Course Outline
Spokane Community College

Course Title: Hospital Pharmacy Dispensing and Management

Prefix and Course Number: PHARM 123

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Perform mathematics calculations.
- Demonstrate the use of reference manuals.
- Process prescriptions from start to finish.
- Demonstrate the ability to function efficiently as a hospital pharmacy technician.
- Prepare IV admixtures and TPNs using aseptic technique.
- Apply laws, rules and regulations pertaining to technicians and their roles.
- Understand confidentiality of patient information.
- List medication and IV label requirements.
- Discuss the different roles of pharmacists and pharmacy technicians in the hospital setting.
- Determine the different types of hospital dispensing systems.
- Discuss how floor stock and patient supplies of controlled substances can be delivered, and special storage requirements.
- Discuss the basic components of an IV admixture program.
- Discuss preparation for admixture compounding.
- Determine the technique used for all procedures performed to keep a sterile product from being contaminated.
- Discuss the different types of laminar flow hoods.
- Determine examples of common meds found as floor stocks and why they are stocked instead of unit-based.
- Determine the different types of drug administration.
- Discuss the first line defense against infection.
- Discuss the policy and procedure manual.
- Identify the initials MSDS and list the items the sheets must contain.
- List the requirements for record keeping of controlled substances.
- Achieve a 78% (2.0 GPA) or higher grade in this course.

Course Outline:

- I. Regulation Standards for Hospital Pharmacy
 - A. Policy and Procedures
 - B. Confidentiality of patient information
 - C. Different types of hospital dispensing systems
 - D. Introduction of common floor stock medications
 - E. Discuss the first line of defense against infections
 - F. Introductions to the different pharmacy organizations
- II. INSTITUTIONAL PHARMACY VS. HOME CARE
 - A. The technician roles regarding hospital and home care
 - B. Introduction of laws, rules and regulations for each pharmacy setting
 - C. Requirements for record keeping of controlled substances
 - D. Introduction of material management of pharmaceuticals including financial implications and increased health care costs
- III. ASEPTIC TECHNIQUE
 - A. Introduction to proper aseptic technique in packaging and IV preparation

- B. Understanding the scope of pharmaceutical care delivery systems
- C. Introduction to the preparation, storing, distributing and record-keeping of investigational drugs
- D. Working knowledge of microbiology and prevention communicable diseases in the health care environment
- E. Identifying MSDS sheets and the criteria each sheet must contain

IV. PHARMACY PURCHASING AND INVENTORY

- A. Identifying the basic records necessary for properly transferring stock
- B. Introduction of the typical operations involved in crediting and returning pharmaceuticals and supplies to the vendors
- C. Describe and explain the different storage systems in institutional pharmacies
- D. Determine the standard elements found on most purchasing order forms
- E. Introduction of expiration dates of repackaging products
- F. Discuss how floor stock and patient supplies of controlled substances can be delivered, and special storage requirements.

V. CHEMOTHERAPY PREPARATION

- A. Standard requirements for chemotherapy IV preparation
- B. Medication IV label requirements for chemotherapy drugs
- C. Discuss the different types of laminar flow hoods
- D. Storage requirements related to chemotherapy
- E. Determine the technique used for all procedures performed to keep a sterile product from contamination