

## **PHA 200**

### **Course Purpose:**

This course supports the college's mission to offer degree programs and courses designed to prepare individuals to excel in today's technological workforce.

### **Course Objectives:**

Upon completion of this course, the student can:

1. Demonstrate proficiency in the use of syringes.
2. Demonstrate proficiency in preparing parenteral medications.
3. Describe the basics of IV drug therapy.
4. Explain the importance of USP 797.
5. Identify hospital specific medications.
6. Describe the key elements and fundamentals of working in a laminar flow hood.
7. Describe the risks of handling cytotoxic and hazardous drugs and list the steps that are unique to the preparation of these types of drugs.
8. List the steps in preparation and handling that are unique to parenteral nutrition formulas.
9. List the components of parenteral nutrition and specialized infant formulas.
10. Explain therapeutic, pharmaceutical, and chemical incompatibles that may exist with IV admixtures and how to overcome the effects of incompatibles when compounding sterile products.
11. Explain the uses, cleaning, and maintenance of horizontal and vertical flow hoods.
12. Explain regulatory/quasi-legal standards involved with IV admixture programs.
13. Describe quality assurance methods as applied to an IV admixture program.
14. Knowledge of legal and regulatory requirements and enforcement agencies (USP, FDA, DEA, JCOA).
15. Knowledge of specialized procedures to prepare injectable medications (for example epidurals and PCA cassettes).
16. Prepare IV medications for specialty kits or carts.
17. Practice effective infection control procedures, including preventing transmission of blood borne diseases.
18. Assist the pharmacist in preparing, storing and distributing medication products requiring special handling and documentation (e.g., controlled substances, immunizations, investigational drugs, Risk Evaluation and Mitigation Strategies (REMS)).

### **General Education Learning Outcomes:**

#### I. Communicate Effectively

1. Read and listen with comprehension.
2. Speak and write clearly using Standard English.
3. Interact cooperatively with others using both verbal and non-verbal means.
4. Demonstrate information processing through basic computer skills.

#### II. Think Critically

1. Make connections in learning across the disciplines and draw logical conclusions.
2. Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
3. Use mathematics to organize, analyze, and synthesize data to solve a problem.

#### III. Learn Independently

1. Use appropriate search strategies and resources to find, evaluate, and use information.
  2. Make choices based upon awareness of ethics and differing perspectives/ideas.
  3. Apply learning in academic, personal, and public situations.
  4. Think creatively to develop new ideas, processes, or products.
- IV. Examine Relationships in Diverse and Complex Environments
1. Recognize the relationship of the individual to human heritage and culture.
  2. Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
  3. Develop an awareness of self as an individual member of a multicultural global community.