

**PHARM 157L Course Outline as of Fall 2024****CATALOG INFORMATION**

Dept and Nbr: PHARM 157L Title: HOSPITAL PHARM EXTERN

Full Title: Hospital Pharmacy Externship

Last Reviewed: 11/13/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	0.50	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	2.25		Contact DHR	39.38
		Contact Total	2.25		Contact Total	39.38
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 39.38

Title 5 Category: AA Degree Applicable

Grading: Grade Only

Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP

Also Listed As:

Formerly:

**Catalog Description:**

The students will participate in a practical externship in a hospital pharmacy environment. The students will perform advanced level laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate.

**Prerequisites/Corequisites:**

Course Completion or Current Enrollment in PHARM 157

**Recommended Preparation:****Limits on Enrollment:**

The healthcare facilities in which students are placed require that the students must comply with all of the following before they are allowed onsite: Up to date on all immunizations, including annual flu shots, possess current annual tuberculosis clearance, clear a background check and pass a urine drug screen.

**Schedule of Classes Information:**

Description: The students will participate in a practical externship in a hospital pharmacy environment. The students will perform advanced level laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate. (Grade Only)

Prerequisites/Corequisites: Course Completion or Current Enrollment in PHARM 157

Recommended:

Limits on Enrollment: The healthcare facilities in which students are placed require that the students must comply with all of the following before they are allowed onsite: Up to date on all immunizations, including annual flu shots, possess current annual tuberculosis clearance, clear a background check and pass a urine drug screen.

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Assist the pharmacist in collecting, organizing, and evaluating patient and medication information for direct patient care, drug use review, and departmental management.
2. Identify, receive, and evaluate prescription orders for completeness, and distribute medications after the supervising pharmacist provides final verification.
3. Assist the pharmacist in monitoring the practice site and/or service area for compliance with federal, state, and local laws, regulations, and professional standards.

### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Compound and prepare medications for distribution.
2. Purchase pharmaceuticals, devices and supplies according to an established purchasing program.
3. Control the inventory of medications, equipment, and devices according to an established plan.
4. Maintain pharmacy equipment and facilities.

### **Topics and Scope:**

#### **I. The Hospital Environment**

- A. Professional staffing and personnel policies
- B. Formularies
- C. Standard operation procedures

1. The Joint Commission on Accreditation of Healthcare Organizations
  2. Pharmacy and Therapeutics Committee
- II. Review of Pharmacy Procedures
    - A. Prescription workflow
    - B. Hospital dosage forms
    - C. Ordering procedures
    - D. Telephone procedures
    - E. Computerized prescription processing
    - F. Record keeping
  - III. Prescription Files
  - IV. Requirements for Controlled Substances
  - V. Assisting the Pharmacist in:
    - A. Removing drugs from stock
    - B. Counting, pouring and mixing pharmaceuticals
    - C. Placing product in container, unit dose packaging
    - D. Affixing label or labels
    - E. Packaging and repackaging
  - VI. Principles of Inventory Control
    - A. Ordering, receiving, and stocking inventory
    - B. Removing expired, discontinued, and recalled goods from stock
  - VII. Diabetic Supplies
  - VIII. Safety and Legal Policies and Procedures
  - IX. Preparing Intravenous and Chemotherapy Medications
  - X. Maintaining a Clean Room Environment and Aseptic Technique
  - XI. Consistent Use of Systematic Approach to Solving Problems
  - XII. Principles of Quality Assurance

### Assignment:

1. Reading (5-10 pages per week)
2. Maintain a journal of daily work experiences that will be shared with the class
3. Complete competency checklist with preceptor: Techniques and manipulation skills for hospital devices and medications; preparation of work area

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Journal
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Writing 10 - 20%
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**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None
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Problem solving 0 - 0%
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**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Techniques and manipulation skills

Skill Demonstrations  
70 - 80%

**Exams:** All forms of formal testing, other than skill performance exams.

None

Exams  
0 - 0%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Attendance and participation

Other Category  
10 - 20%

**Representative Textbooks and Materials:**  
Instructor prepared materials.