

**PHARM 154B Course Outline as of Fall 2024****CATALOG INFORMATION**

Dept and Nbr: PHARM 154B Title: RETAIL EXTERNSHIP 2

Full Title: Retail Externship 2

Last Reviewed: 11/13/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	2.00	Lecture Scheduled	0	17.5	Lecture Scheduled	0
Minimum	2.00	Lab Scheduled	0	8	Lab Scheduled	0
		Contact DHR	6.00		Contact DHR	105.00
		Contact Total	6.00		Contact Total	105.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 105.00

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 an outpatient pharmacy environment. The students will perform advanced laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate.

**Prerequisites/Corequisites:**

Course Completion of PHARM 154A and Course Completion of PHARM 102

**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 an outpatient pharmacy environment. The students will perform advanced laboratory activities that a supervising licensed pharmacist or pharmacy technician will evaluate. (Grade Only)

Prerequisites/Corequisites: Course Completion of PHARM 154A and Course Completion of PHARM 102

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. Demonstrate collecting, organizing, and evaluating patient and medication information for direct patient care, drug use review, and departmental management.
2. Identify the process for the purchase of pharmaceuticals, devices, and supplies according to the pharmacy's established purchasing program.

### **Objectives:**

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

1. Receive and evaluate prescriptions for completeness.
2. Compound and prepare medications for distribution.
3. Distribute medications after supervising pharmacist provides final verification.
4. Assist the pharmacist in the identification of patients who request counseling on the use of medications, equipment, and devices.
5. Assist the pharmacist in monitoring the practice site and/or service area for compliance with federal, state, and local laws, regulations, and professional standards.
6. Maintain pharmacy equipment and facilities.
7. Compute and collect payment and/or initiate billing for pharmacy services and goods.

### **Topics and Scope:**

- I. Review of Pharmacy Procedures
  - A. Cash register

- B. Prescription workflow
- C. Over the counter (OTC) products
- D. Drop off and pick up procedures
- E. Telephone procedures
- F. Computerized prescription processing
- G. Record keeping
- II. Prescription Files
- III. Requirements for Controlled Substances
- IV. Third Party Claim Forms
- V. Assist the Pharmacist in:
  - A. Removing drugs from stock
  - B. Counting, pouring and mixing pharmaceuticals
  - C. Placing product in container
  - 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. Other Diagnostic Supplies
- IX. Vitamins, Minerals, and Herbal Products
- X. Safety and Legal Policies And Procedures
- XI. Pricing Prescription and OTC Goods
- XII. Maintaining A Clean and Neat Work Environment
- XIII. Consistent Use of Systematic Approach To Solving Problems
- XIV. Principles of Quality Assurance

### **Assignment:**

1. Observe and follow instructions of the licensed pharmacist or pharmacy technician preceptor (ungraded)
2. Complete clinical rotation(s) signed off by site preceptor (1-2)
3. Demonstrate student competencies (check-off list) by site preceptor
4. Complete and document attendance log (105-107 hours at clinical/retail site)
5. Students will journal about their clinical/retail experience each session
6. Complete written critique of a retail clinical site (1)
7. Complete written critique of a specialty clinical site (1)

### **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; critique of a retail clinical sites; critique of a specialty clinical site

Writing  
10 - 20%

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

None	Problem solving 0 - 0%
<b>Skill Demonstrations:</b> All skill-based and physical demonstrations used for assessment purposes including skill performance exams.	
Clinical rotation(s); competency check-off list	Skill Demonstrations 50 - 60%
<b>Exams:</b> All forms of formal testing, other than skill performance exams.	
None	Exams 0 - 0%
<b>Other:</b> Includes any assessment tools that do not logically fit into the above categories.	
Attendance log; participation	Other Category 20 - 30%

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