

PHAR 7296
Applied Pharmacy Practice Skills 2
Spring 2024

Course Description

This pharmacy lab focuses on the application of skills and resources needed for pharmacists to ensure patient safety and optimize patient outcomes in the inpatient settings.

Additional Course Information

This lab reviews different tasks pharmacists perform for the clinical and operations of inpatient pharmacy practice. Students will practice handling emergency situations and drug information questions, as well as develop safe practices for the daily duties of inpatient pharmacists.

Course Credit: 2 semester credit hours

Pre-Requisites: None

Co-Requisites: None

Class Meeting Days, Time & Location

Thursdays 8:00 – 11:55 a.m.

WTB 234

Course Coordinator

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WTB Office 232

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Office Hours: Monday, Tuesday, & Thursday 1:00 -2:00 p.m. or by appointment.

Fisch College of Pharmacy (FCOP) and UT Tyler Policies

This is part 1 of the syllabus. Part 2 contains UT Tyler and the FCOP course policies and procedures. [UT Tyler Department of Pharmacy Office of Academic Affairs](#).

Syllabus Part 3 contains specific policies adapted regarding instruction during COVID. For experiential courses (i.e., IPPE and/or APPE), the Experiential Manual contains additional policies and instructions that supplement the Syllabus Part 1 and 2. Please note, the experiential manual may contain policies with different deadlines and/or instructions. The manual should be followed in these cases.

Required Materials

Most course required materials are available through the Robert R. Muntz Library. These materials are available either online* (<http://library.uttyler.edu/>) or on reserve.

1. **Other required materials will be posted on the classes' Canvas site. The site address is: uttyler.edu/canvas.**

Recommended Materials

The course recommended materials are on reserve at the Robert R. Muntz Library.

Course Format

The course may include, but are not limited to, the following activities:

1. Independent study of selected readings
2. Group projects
3. Presentation

Course Learning Outcomes (CLOs)

CLOs	PLO(s) Assessed for this CLO (1-15)	EPAs (1.1- 6.1)	Assessment Methods	Grading Method	PPCP Skill(s) Assessed (1-5)	ACPE Std. 11 & 12 (1-4)
1. Demonstrate skills for accurate order entry/verification and final check of Medications	3, 6	3.2, 5.2	1, 2, 4	ES, RUB	X	X
2. Demonstrate effective and appropriate communication skills to patients and other healthcare workers	7, 11	2.1	1, 4	ES, RUB	X	X
3. Demonstrate proficient clinical skills monitoring drug therapy, ensuring appropriate transition of care, and handling medical emergencies	2	1.1, 1.2, 1.4, 3.2	1, 2, 4, 12	ES, RUB	1, 2, 4	X
4. Use appropriate resources to provide solutions for drug information requests	3	4.2	1, 2	ES	X	X
5. Demonstrate proficient skills in running daily operations of inpatient pharmacies	3	5.1	1, 2	ES	X	X

Course Assessment Methods

	Assessment Method	Description
1	Final Exam Multiple Choice or Multiple Selection Question(s)	<i>Standard MCQ and Select All that apply questions.</i>
2	Final Exam Open Ended Question(s)	<i>Short answer, matching/fill in the blank, and essay.</i>
4	Skills Assessment	<i>Rubric-based assessments on dispensing, counseling, interviewing, and/or patient assessment.</i>
12	Simulation	<i>Simulation with filling/pulling from Pyxis and managing medical emergencies.</i>

Grading Policy & Grade Calculation

Grades will be determined based on evaluation of individual and team readiness assessment tests (iRATs, tRATs), individual and team cumulative assessment tests (iCATs, tCATs), midterm examinations, final written examinations, skills assessments, graded application assignments, participation in team-based projects, peer evaluations and other assessment methods that may include, but not limited to, RATs may consist of, but not limited to, multiple-choice, true/false, fill in the blank, short-answer, essay, and problem-based questions.

During the time the course is in progress, students whose cumulative course percentage falls below 75.0% may receive an academic alert and be subject to periodic course content review in special sessions with the course instructor(s). The student's faculty advisor may receive an academic alert to act upon on the student's behalf.

All examinations, tests, and assignments, including the final examination, may be **cumulative**. Students are responsible for material presented during the prior courses. The grading scale for all graded material is below. The final course grade will be assigned according to the calculated percentage and the percentages will not be rounded upward or downward. For additional information, see examination/assessment policy below.

Standard Grade Calculation*

<u>Team component</u>	
Monograph (written)	10%
P&T Presentation	10%
Policy/SOP (written)	10%
<u>Individual component</u>	
Lab Participation	10%
Midterm 1	25%
Final Exam	35%
Total	100%

****The final course letter grade will be determined according to the following grading scheme:***

A	90 - 100 %
B	80 - 89.999 %
C	70 - 79.999 %
D	65.0 - 69.999 %
F	< 65.0 %

1. AI is not permitted in this course at all.
 - a. Example 1: I expect all work students submit for this course to be their own. I have carefully designed all assignments and class activities to support your learning. Doing your own work, without human or artificial intelligence assistance, is best for your efforts in mastering course

learning objectives. For this course, I expressly forbid using ChatGPT or any other artificial intelligence (AI) tools for any stages of the work process, including brainstorming. Deviations from these guidelines will be considered a violation of UT Tyler’s Honor Code and academic honesty values.

- b. Example 2: To best support your learning, you must complete all graded assignments by yourself to assist in your learning. This exclusion of other resources to help complete assignments includes artificial intelligence (AI). Refrain from using AI tools to generate any course context (e.g., text, video, audio, images, code, etc.) for an assignment or classroom assignment.
- c. Example 3: The work submitted by students in this course will be generated by themselves. This includes all process work, drafts, brainstorming artifacts, editing, and final products. This extends to group assignments where students must collaboratively create the project. Any instance of the following constitutes a violation of UT Tyler’s Honor Code: a student has another person/entity do any portion of a graded assignment, which includes purchasing work from a company, hiring a person or company to complete an assignment or exam, using a previously submitted assignment and/or using AI tools (such as Chat ChatGPT).

Course Schedule

Week	Date	Topic	Instructor	CLO	Disease State
1	1/16	<p>Introduction to inpatient institutional pharmacy I</p> <ul style="list-style-type: none"> • Discuss different inpatient pharmacy models. • Define various roles in hospital pharmacy. • Policy vs standard operating procedures. • Order verification processes. <p>Introduction to inpatient pharmacy II</p> <ul style="list-style-type: none"> • Introduce pharmacy automation. • Label verification • Order entry 	Go	1,5	
2	1/23	<p>Pharmacy Operations</p> <ul style="list-style-type: none"> • Receipt and disposal of patients’ medications. • Use of patient’s personal medications. • Medication room inspections. • Temperature logs. • Controlled substance inventory. • Medication pre-package logs. • Pharmacist competences. • Dispensing logs. 	J. Hooper	1,5	
3	1/30	Fundamentals of IV pharmacy operations	Jose	1,5	

		<ul style="list-style-type: none"> • IV infusion calculations • IV access and infusion • IV medication stability and compatibility • Dosage calculations • Percent concentration 			
4	2/6	Patient safety I <ul style="list-style-type: none"> • FDA MedWatch • Analyze reported patient safety event. • Develop SBAR (lab activity is centered around SBAR; communicating with other healthcare practitioners) • REMS programs 	Go	2,3,4	
5	2/13	Patient safety II <ul style="list-style-type: none"> • AHRQ indicators. • Medicare report cards. • Star ratings. • National patient safety goals. • Core measures. • Joint Commission and the accreditation process. 	Go	1,5	
6	2/20	Midterm Examination 1			
7	2/27	Clinical Staffing (potentially expand to include communication with other healthcare professionals and lab value monitoring) <ul style="list-style-type: none"> • Manage pharmacy driven protocols. • MUE • Different styles of patient workups (problem-based vs system-based) 	Go	2	
8	3/6	Drug Information <ul style="list-style-type: none"> • Basic drug information. • Clinical practice guidelines. • Different types of resources. • Informal vs formal DI questions. • Practice answering informal DI questions. • The Inservice 	Smith	4	
9	3/13	Formulary Process I <ul style="list-style-type: none"> • Introduction to the P&T committee and the development of a P&T monograph. 	Smith	4	
Spring Break (3/17 – 3/21)					

10	3/27	Formal Patient Case Presentation	Go	1,5	
11	4/3	Formulary II <ul style="list-style-type: none"> • P&T committee monograph presentations. <ul style="list-style-type: none"> ○ Team presentation. 	Brazill	2	
12	4/10	Transitions of Care <ul style="list-style-type: none"> • Admissions medication reconciliation. • Discharge planning <ul style="list-style-type: none"> ○ Resources for uninsured patients. ○ Rx generation ○ Medication reconciliation and medication list. ○ Discharge medication education/counseling. 	Go	2,3	
13	4/17	Downtime Operations <ul style="list-style-type: none"> • IT downtime. • Power outage downtime. • Disaster downtime operations. 	Brazill		
14	4/24	Medication emergencies <ul style="list-style-type: none"> • Manage crash carts (ACLS). • Adult vs pediatric crash carts. 	Lee	5	
15		Comprehensive Final Examination			