PHAR 7296 Applied Pharmacy Practice Skills 2 (APPS-2)
Spring 2026

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 credit hours

Pre-Requisites: None

Co-Requisites: None

Class Meeting Days, Time & Location: Fridays, 1:00 pm – 4:50 pm; W.T. Brookshire Hall Room 234

Course Coordinator:
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Fisch College of Pharmacy (FCOP) and UT Tyler Policies
This is Part 1 of the syllabus. Part 2 contains UT Tyler and the FCOP policies and procedures. 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. 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. Individual readiness assessment tests (iRATs)
3. Lecture
4. Active learning strategies
5. Team-based learning strategies:

a. Team readiness assessment tests (tRATs)
b. Team application of content and concepts
c. Team projects

6. Presentation

Course Learning Outcomes (CLOs)

CLOs	PLO(s) Assessed for this CLO (1-12)	EPAs (1-13) Only map for Lab, IPPE, APPE. Otherwise N/A	ACPE Appendix 1 (names)	ACCP Didactic Toolkit (names)	NAPLEX (1.A.1 – 5.D)	Assessment Methods (1-13)
1. Demonstrate skills for accurate order entry/verification and final check of medications	1,2,7	1,2	Medication Dispensing, Distribution and Administration	-	3.4 – 3.8, 3.10	1, 3, 4, 11
2. Demonstrate effective and appropriate communication skills to patients and other healthcare workers	3	8	Professional Communication	-	1.2, 1.3	1, 4, 8, 11
3. Demonstrate proficient clinical skills monitoring drug therapy, ensuring appropriate transition of care, and handling medical emergencies	1,2,7	9, 10	Pharmacotherapy	-	3.3, 3.9, 6.2	3, 4, 11
4. Use appropriate resources to provide solutions for drug information requests	1	1, 2	Health Informatics	-	6.5	1, 2, 4
5. Demonstrate proficient skills in running daily operations of inpatient pharmacies	7	-	-	-	6.1	1, 3, 4, 8, 11

Course Summative Assessment Methods

	Assessment/Examination Method
1	Question-based examination (ExamSoft-based)
3	Comprehensive Case
4	Skills Assessment
8	Oral Presentation
11	Simulation

Grading Policy & Grade Calculation

Grades will be determined based on evaluation of assignments, formative assessments (for learning), and summative assessments (for mastery). For all intents and purposes, final examinations are synonymous with summative assessments. Assessments may consist of, but are not limited to, multiple-choice, true/false, fill in the blank, short-answer, essay, and problem-based questions. They may also include a variety of formats beyond the traditional question-based written examination, as each CLO may require different methods to determine student achievement.

Assignments, formative, and summative assessments may be **cumulative.** Students are responsible for material presented during 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 Part 2 of the syllabus.

During the time the course is in progress, students who obtain less than 75% on any summative assessment or a total course grade of less than 75% during a particular semester will receive an academic alert from the course coordinator and the Office of Academic Affairs and be subject to weekly in-course remediation with the course instructor(s).

Standard Grade Calculation*	
Individual Assessments: 95%	
Lab Participation/Individual Activities/Projects**	40%
Midterm (clinical skills-based assessment)	25%
Final (patient case)	30%
Team Assessments: 5%	
Team Activities/Projects	5%
Total	**100%**

The final course letter grade will be as follows:

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

**See Check Out Activity Policy on Canvas for additional information about this component of the Lab Participation/Activity grade

Appropriate Use of Artificial Intelligence

For this course, **AI is not permitted in this course at all.** 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.

PHAR 7296 Course Schedule

WEEK	DAY	TOPIC	Instructor	CLO
1	1/16	**Introduction to inpatient institutional pharmacy I & II** • Discuss different inpatient pharmacy models • Define various roles in hospital pharmacy • Order verification processes • Introduce pharmacy automation • Label verification • Order entry • Interprofessional communication (SBAR) • Check Out Activity: SBAR	Lecture: Yu Lab: Yu, Marsh	1, 5
2	1/23	**Pharmacy operations** • 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 competencies • Dispensing logs • Downtime operations	Lecture: J. Hooper Lab: J. Hooper	1, 5

3	1/30	**Fundamentals of IV pharmacy operations**
		• Lecture (1 hour):
		  ○ IV access and infusion
		  ○ IV medication stability and compatibility
		• Lab (3 hours):
		  ○ IV infusion calculations
		  ○ Dosage calculations
		  ○ Percent concentration
			Lecture: Nursing – L. Gutierrez
			
			Lab: Fujiwara
				1, 5

4	2/6	**Clinical Staffing**
		• Lecture (1 hour):
		  ○ Manage pharmacy driven protocols
		  ○ MUE
		  ○ Policy *vs* standard operating procedures
		  ○ Patient education
		• Lab (3 hours):
		  ○ Pharmacokinetic review (vancomycin, aminoglycosides)
		• Check Out Activity: Patient education
			Lecture: Yu
			
			Lab: Fujiwara, Yu, Marsh
				1, 5

5	2/13	**Patient safety I & II** • FDA MedWatch • Analyze reported patient safety event • REMS programs • AHRQ indicators • Medicare report cards • Star ratings • National patient safety goals • Core measures • Joint Commission and the accreditation process	Lecture: Marsh Lab: Marsh	2, 3
6	2/20	**Drug Information** • Basic drug information • Clinical practice guidelines • Different types of resources • Informal *vs* formal DI questions • Practice answering informal DI questions • The Inservice	Lecture: Schwartz Lab: Schwartz	4
7	2/27	**Patient Work Up and Patient Case Presentations** • Different styles of patient work up (system-based vs problem-based) • Review of lab monitoring • Patient case presentation to preceptors	Lecture: Yu Lab: Yu, Marsh	1,5
8	3/6	**Transitions of Care** • Admissions medication reconciliation • Discharge planning • Resources for uninsured patients • Rx generation • Medication reconciliation and medication list • Discharge medication education/counseling • Check Out Activity: Medication reconciliation	Lecture: Yu Lab: Yu, Marsh	2
Spring Break (3/9/2025 to 3/13/2025)				
9	3/20	**Inpatient Clinical Skills Review** • Order verification • Product verification • Patient education • SBAR	Lecture: Yu Lab: Yu, Marsh	
10	3/27	**Midterm Assessment** • Clinical Skills-based Assessment: Order verification, product verification, patient education, and SBAR	Lecture: Yu Lab: Yu, Marsh, Gutierrez	
11	4/3	**Introduction to Formal Patient Case Presentations** • Purpose of formal patient case representation • Utilizing primary literature to assess a clinical controversy	Lecture: Yu	1, 5

		• Best-practice for presentation development • Check Out Activity: Informal patient presentation	Lab: Yu, Gutierrez, Smith	
12	4/10	**Medication emergencies** • Manage crash carts (ACLS) • Adult *vs* pediatric crash carts	Lecture: Lee Lab: Lee	5
13	4/17	**Formulary Process I** • Introduction to the P&T committee and the development of a P&T monograph	Lecture: Marsh Lab: Marsh	4
14	4/24	**Formulary Process II** • Continuation of content from Week 13	Lecture: Marsh Lab: Marsh	2
15	4/30	**Final Assessment** • Patient case	Yu, Marsh	
Please note that dates, topics, and assignments are subject to change. In the event of a change, you will be given ample notification of the change.				