

Advanced Case Studies
(Applied Evidence-Based Medicine: Defense of the Clinical Arts)
PHAR 7236
Spring Semester 2022

Course Description

This elective course focuses on the application of evidence-based medicine to complex patient cases through clinical reasoning and use of the Pharmacist's Patient Care Process.

Additional Course Information

This course provides students the opportunity to integrate and apply the fundamentals of the biomedical, pharmaceutical, and clinical sciences to patient cases. This course is discussion-based and students will be exercising their clinical reasoning and communication skills to engage in oral debates and oral defense of their patient care plans. Patient cases will be representative of core and common disease states that are created by faculty or taken from actual patient scenarios. Case topics are likely to change with each offering of the course.

Course Credit: 2 credit hours

Pre-Requisites: P3 Standing

Co-Requisites: None

Class Meeting Days, Time & Location: Wednesday, 1:00 pm – 3:00 pm; W.T. Brookshire Hall room #

Course Coordinator(s):

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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 course policies and procedures. These are available as a PDF at <https://www.uttyler.edu/pharmacy/academic-affairs/files/fcop-syllabus-policies.pdf>. 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

1. High-Yield Med Reviews APPE General Medicine Rotation
 - a. Lectures
 - b. Q-Bank
 - c. EBook
 - d. Exam

We have contracted with High-Yield Med Reviews who has offered to donate their curriculum for this pilot year (<https://www.highyieldmedreviews.com/>). They will reach out to provide access to their material.

Recommended Materials: None

Course Format

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

1. Independent study of selected lectures and ebook chapters
2. Individual and team preparation of patient care plans
3. Oral defense of patient care plans

Course Learning Outcomes (CLOs)

CLOs	PLO(s) Assessed for this CLO (1-15)	EPAs (1.1-6.1)	Assessment Methods	Grading Method	ACPE Std. 11 & 12 (1-4)
1. Create patient care plans using the Pharmacist's Patient Care Process.	1, 2, 6, 9	1.1-1.5	1,2,3	RUB, HYMR	NA
2. Justify and defend patient care plans using evidence-based medicine and critical thinking.	1, 2, 6, 9, 11	1.1-1.5	1,2,3	RUB, HYMR	NA
3. Evaluate and critique patient care plans using evidence-based medicine, critical thinking, and clinical reasoning.	1, 2, 11, 12	1.1-1.5	1,2,3	RUB, HYMR	NA

Course Assessment Methods

	Assessment Method	Description <i>Please provide a brief description of each summative assessment that you plan to use in this course to allow us to identify which ACPE standards are being assessed</i>
1	Pre/Post Exam Multiple Choice	<i>Standard MCQ and Select All that apply questions.</i>
2	Oral Presentations	Weekly oral defense of patient care plans
3	Reflection Essay	Reflection on perceptions of course and development

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, Objective Structured Clinical Examinations (OSCEs). Examinations, RATs and CATs 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 70.0% 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

Pre-Exam	5%
Individual Preparation & Participation	25%
Case (group) Presentations	50%
Final Exam	20%
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 %

PHAR 7236 Course Schedule

WEEK	DATE	TOPIC	Preclass Video Schedule	Total Video Time (minutes)	Instructors	CLO	Disease States
1	1/12/22	Pre-Exam (30 minutes) Course Introduction Case Presentation Intro Critical Thinking, Clinical Reasoning Guideline Scavenger Hunt	Podcast: "Introduction to Clinical Reasoning in Pharmacy Practice"	5	Dunn Rice Wilder	1-3	TBD
2	1/19/22	Case 1 (2 hours)	Hematology - Overview of Coagulation (27) - Deep Vein Thrombosis (31 m) - Pulmonary Embolism (48 m)	106	Dunn Rice Wilder	1-3	TBD
3	1/26/22	Case 1 Defense Case 2	Endocrinology - Hyperglycemia DKA HHS (30 m) - Hypoglycemia (8 m) - UTI (29)	67	Dunn Rice Wilder	1-3	TBD
4	2/2/22	Case 2 Defense Case 3	Infectious Diseases - Infectious Endocarditis (33 m) Neurology - Opioid Analgesics Review (48 m)	81	Dunn Rice Wilder	1-3	TBD
5	2/9/22	Case 3 Defense Case 4	Cardiology - Heart Failure – acute (42 m) Electrolytes - Sodium Disorders (34) Psychiatry - Major Depressive Disorder (24 m)	100	Rice Wilder	1-3	TBD
6	2/16/22	Case 4 Defense Case 5	Gastroenterology - Cirrhosis Overview (36 m) - Cirrhosis Ascites (32 m) - Cirrhosis Encephalopathy (16 m)	84	Dunn Rice Wilder	1-3	TBD
7	2/23/22	Case 5 Defense Cases 1-5 Recap			Dunn Rice Wilder	1-3	TBD
8	3/2/22	Case 6	Cardiology	49	Dunn	1-3	TBD

			- HTN Emergency Background (21 m) - HTN Emergency CV (17 m) - HTN Emergency Renal (5 m) - HTN Emergency Sympathetics (6 m)		Rice Wilder		
9	3/9/22	SPRING BREAK					
10	3/16/22	Case 6 Defense Case 7	Infectious Diseases - C Diff Infection (15 m) Endocrinology - Hypothyroidism (27 m) Neurology - Acute/Chronic Pain Mgmt (45 m) -Opioid Dose Equivalency (28 m)	115	Rice Wilder	1-3	TBD
11	3/23/22	Case 7 Defense Case 8	Infectious Diseases - Pneumonia Adults (23 m) - HAP and VAP (10 m) Cardiology - Acute Coronary Syndrome (55 m) Pulmonary - COPD Acute (18 min)	106	Dunn Rice Wilder	1-3	TBD
12	3/30/22	Case 8			Dunn Rice Wilder	1-3	TBD
13	4/6/22	Case 8 Defense			Dunn Rice Wilder	1-3	TBD
14	4/13/22						
15	4/20/22	Final Exam Cases 6-8 Recap			Rice Wilder	1-3	TBD
16	4/27/22						
<p><i>Patient cases will be representative of common medicine disease states that are created by faculty or taken from actual patient scenarios. Case topics are likely to change with each offering of the course.</i></p> <p><i>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.</i></p>							