

Advanced Therapeutics in Ambulatory Care Pharmacy Elective
PHAR 7290 Special Topics
Spring 2022

Course Description

The special topics courses cover topics previously not covered within the curriculum or cover topics in greater depth. The pharmacy courses are designed to optimize contextual learning and promote analytical reasoning. This will afford the student the knowledge, skills and resources necessary to successfully participate as an integral member of a healthcare team. The curriculum will allow the student to appreciate the relevance and interconnectedness of the basic, social/administrative/behavioral and clinical sciences when delivering patient-centered care and applying principles of optimal drug therapy.

Additional Information

This course is designed to build upon therapeutic skills acquired in the Integrated Pharmacy courses in order to assist students with advanced problem-solving and critical thinking skills necessary to be successful in managing complex patients in outpatient settings. The course will place emphasis on chronic disease states most commonly encountered in the ambulatory care setting and will help prepare students for success on these topics on the NAPLEX competencies. Students will also be challenged through integration of clinical service development and management, health disparities, and transitions of care.

Course Credit 2 credit hours

Pre-Requisites Admission to the College of Pharmacy and P3 standing.

Co-Requisites None

Class Meeting Days, Time & Location

Wednesday 1-3 PM

W.T. Brookshire Hall Room TBD

Course Coordinators

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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 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

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

1. *Dipiro JT, Talbert RL, Yee GC, et. al. Pharmacotherapy: A Pathophysiologic Approach, 11e. McGraw-Hill Education, 2020. ISBN 978-1-260-11681-6

- *Zgarrick DP, Alston GL, Moczygemba LR, et. al. Pharmacy Management: Essentials for all practice settings, 4e. McGraw-Hill Education, 2016. ISBN 978-0-07-184543-4
- *Angaran DM, Whalen K. Medication Therapy Management: A Comprehensive Approach. McGraw-Hill Education, 2015. ISBN: 978-0-07-184869-5
- Krinsky DL, Berardi RR, Ferreri SP et.al. Handbook of Nonprescription Drugs: An Interactive Approach to Self-Care 17e. American Pharmacist Association, 2014. ISBN: 978-1-58212-160-4
- *Herrier RN, Apgar DA, Boyce RW, Foster SL. eds. *Patient Assessment in Pharmacy*. McGraw Hill; 2015.
- Other required materials will be posted on the classes' Canvas site. The site address is: uttyler.edu/canvas.

Recommended Materials

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

- Basic Skills in Interpreting Laboratory Data. 5th Edition. Lee M. American Society of Health-System Pharmacist. ISBN: 978-1-58528-343-9, 2013.
- Review of Medical Microbiology and Immunology. 13th Edition. Levinson W. Lange-McGraw Hill. ISBN978-0-07-181811-7, 2014.
- *Pathophysiology of Disease: An Introduction to Clinical Medicine (8th Edition). Hammer GD and McPhee SJ. Lange-McGraw Hill. ISBN: 978-0-07-180600-8, 2014.
- *Basic and Clinical Pharmacology (12th Edition). Katzung BG, Masters SB, Trevor AJ. Lange-McGraw Hill. ISBN:978-1-260-02650-4, 2019.
- *Applied Biopharmaceutics & Pharmacokinetics, 6e; Leon Shargel, Susanna Wu-Pong, Andrew B.C. Yu; McGraw-Hill Education. ISBN: 978-0-07-160393-5, 2012.

Course Format

The course may include the following activities:

- Independent study of selected readings
- Independent and group assignments (e.g., competency quizzes, SOAP notes and patient case presentations)
- Clinical Simulations

Course Learning Outcomes (CLOs)

¹ CLOs	Related PLO(s) (1-15) ²	Assessment Methods ³	Grading Method ⁴	AACP Std. 11 & 12 (1-4) ⁶	EPA
1. Discuss historical and current ambulatory care value-added pharmacy services	8,9,14	1,2,6,13,14	ES, RUB, OTH	2	2.1, 3.1, 4.2, 6.1
2. Conduct the Pharmacist's Patient Care Process (PPCP) in clinical practice in the ambulatory care setting	1, 2, 4, 6	1,2, 3, 8, 10	RUB, OTH	4	1.1, 1.2, 1.3, 1.4, 1.5, 3.1, 3.2, 3.3
3. Demonstrate effective and appropriate communication to patients, pharmacists, and other healthcare providers	11	1,7,8,10, 12	RUB, OTH	1	4.1

³Course 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	Final Exam Multiple Choice or Multiple Selection Question(s)	<i>Standard and case-based MCQ and Select All that apply questions.</i>
2	Final Exam Open Ended Question(s)	<i>Case-based</i>
3	Comprehensive Case	<i>Weekly comprehensive cases and presentations</i>
4	Skills Assessment	<i>None</i>
5	OSCE	<i>Standardized patient OSCEs will be used for formative and/or summative assessment</i>
6	Team Project	<i>Development of clinical service with rubric to facilitate grading</i>
7	Individual Project	<i>Patient Interview</i>
8	Oral Presentation	<i>Clinical patient presentations</i>
9	Poster Presentation	<i>None</i>
10	SOAP Note	<i>Weekly SOAP notes</i>
11	Reflection Essay	<i>Reflection on shadowing an ambulatory care pharmacist</i>
12	Simulation	<i>None</i>
13	Internship/Observation	<i>Shadow ambulatory care setting with practice faculty</i>
14	Other. Please specify:	<i>Survey data will be collected in order to assess knowledge and perceptions (no grade)</i>

Grading Policy & Grade Calculation

Grades will be determined based on evaluation of individual and team assignments, midterm examinations, final written examinations, skills assessments, graded application assignments, participation in team-based projects, peer evaluations and other assessment methods that may include Objective Structured Clinical Examinations (OSCE). Examinations may consist of multiple-choice, true/false, short-answer, essay, verbal response, 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

Individual Component	90%
Assignments	35%
Midpoint Assessment	25%
Final Assessment	30%
Team Component	10%
Clinical Service Presentation	5%
Think-Pair-Share Case	5%
Total	100%

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

Advanced Therapeutics in Ambulatory Care Pharmacy Course Schedule

Week/ Date	Topics	Activities and Assignments	CLO	Disease State	Faculty
1 Jan 12	Syllabus/Introduction to Course Introduction to Ambulatory Care—History and Future of Ambulatory Care; Certifications and Credentials	Pre-course Survey Landmark Trial Assignments Competency Quiz*	1	n/a	EY
2 Jan 19	Clinical Focus: Public Health (week 1 quiz on Tobacco Cessation, Over-the-Counter/Self-Care and Immunizations)	Patient Presentation Graded SOAP	1, 2	S01.12, S02.02	TWG
3 Jan 26	Management Focus: 340B Pricing and Patient Assistance Programs	In-class Activities Competency Quiz*	1	n/a	JW/TBD
4 Feb 2	Clinical Focus: Incorporating 340B Pricing/Patient Assistance into Clinical Practice (week 3 quiz on COPD/Asthma, T2DM, and Obesity Management)	Patient Presentation Graded SOAP	1,2	S02.01, S02.02, S07.01, S17.04	TWG
5 Feb 9	Management Focus: Developing Pharmacy Services and Collaborative Practice Agreements	Competency Quiz*	1	n/a	JW
6 Feb 16	Clinical Focus: Collaborative Practice in Clinical Practice (week 5 quiz on Cardiology focus - Anticoagulation, Atrial fibrillation, Heart failure)	Patient Presentation Graded SOAP	1,2	S01.02, S01.05	EY
7 Feb 23	Management Focus: Billing and quality outcomes	Landmark Trial Presentations	1	n/a	JW
8 Mar 2	Midpoint Exam/SOAP/SBAR Pt Presentation (1, 2, 3)				
9 Mar 9	Spring break				
10	Clinical Focus: Polypharmacy and medication adherence (focus on lipids, HTN)	Patient Presentation	1, 2	S01.01, S01.08	TWG

Mar 16		Graded SOAP			
11 Mar 23	Management Focus: Formulary management and Utilizing insurance formularies; MTM	In-class Activities Competency Quiz*	1	n/a	TBD
12 Mar 30	Clinical Focus: Incorporating formulary management into Clinical Practice (week 11 quiz on Psychiatric and Contraceptive Care Considerations)	Patient Presentation Graded SOAP	1, 2	S06, S08.01	TWG BP (?)
13 Apr 6	Think-Pair-Share: Case Development Incorporating Clinical and Management Aspects of Ambulatory Care	Teams will create, share and solve patient cases	3	n/a	EY
14 Apr 13	Team Clinical Service Presentations Incorporating Clinical and Management Aspects of Ambulatory Care	Teams will present their clinical service	3	n/a	ALL
15 Apr 20	Final Exam/OSCE/Post-course Survey				
*Competency quizzes will be NAPLEX prep questions focused on common ambulatory care disease states.					