

Advanced Asthma Management
PHAR 7290.003
Spring Semester 2021

Catalogue Description

This elective course focuses on the application of evidence-based medicine in providing patient-centered care to individuals diagnosed with the asthma condition.

Course Description

This elective course delivers an in-depth review of asthma related evidence-based medicine. This course will provide a comprehensive review of nonpharmacologic & pharmacologic management in both inpatient & outpatient settings. Hands on approaches to learning will be utilized to impart expertise on learners regarding the education of patients & families on the skills necessary to minimize the impact of asthma on their quality of life.

Course Credit

2 credit hours

Pre-Requisites

PHAR 7481

Co-Requisites

None

Class Meeting Days, Time & Location

Wednesday (1pm-3pm); W.T. Brookshire Hall room #136

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

Required Materials

Required course materials will be posted on the classes' Canvas site or provided in print by the instructor. The site address is: uttyler.edu/canvas.

Recommended Materials

Recommended course materials will be posted on the classes' Canvas site or provided in print by the instructor. The site address is: uttyler.edu/canvas. Course materials will be formulated according to the evidence-based practice guidelines listed below:

1. Global Initiative for Asthma (GINA): Global Strategy for Asthma Management and Prevention, 2020.
Available from: www.ginasthma.org

2. National Asthma Education and Prevention Program, Third Expert Panel on the Diagnosis and Management of Asthma. Expert Panel Report 3: Guidelines for the Diagnosis and Management of Asthma. Bethesda (MD): National Heart, Lung, and Blood Institute (US); 2007 Aug. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK7232/>
3. American Lung Association. Available from: <https://www.lung.org>.

Course Format

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

1. Independent study of selected readings or multimedia
 - a. Quizzes
 - b. Skills Assessments/OSCEs
 - c. Patient Case discussions
 - d. Lectures
 - e. Simulation

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)	AACP Std. 11 & 12 (1-4)
1. Convey concepts pertaining to anatomy, physiology & medication therapy to educate patients, family members & healthcare professionals about the asthma condition.	1, 7, 11	4.1	1, 2, 3	ES, RUB	4	2, 4
2. Demonstrate appropriate technique for physical examinations, pulmonary function tests (PFTs), and use of inhaled medication devices.	7	1.2, 1.3	1, 2, 3	ES, RUB	1, 2, 4	4
3. Formulate and adjust patient-specific non-pharmacotherapeutic & pharmacotherapeutic regimens based on varying degrees of asthma control.	1, 2, 4, 6	1.1, 1.2, 1.3, 1.4, 1.5, 3.2, 3.4, 4.2	1, 2, 3, 4	ES, RUB/OSCE	3, 4, 5	4
4. Design monitoring protocols to assess efficacy & safety of medications in patients with the asthma condition.	1, 2, 6	1.1, 1.2, 1.3, 1.4, 1.5, 3.2	1, 2, 3, 4	ES, RUB/OSCE	5	4
5. Identify educational needs to promote disease state understanding in individuals with the asthma condition.	2, 10, 11	1.1, 1.3, 1.4, 3.2, 3.3	1, 3, 4	ES, RUB	1, 2, 3, 4	4
6. Facilitate transitional care management strategies to prevent gaps in knowledge, treatment & assistance.	8, 9, 13	1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 3.3	1, 2, 3, 4,	ES, RUB	3, 4	2, 4
7. Use empathy for the asthma condition to promote a caring patient-provider relationship.	15	6.1	5, 6	RU, SUR	---	4

*ES = ExamSoft; RUB = Rubric; SUR = Survey; OSCE = Objective Structured Clinical Examination

Course Assessment Methods

	Assessment Method	Description
1	Multiple Choice or Multiple Selection Question(s)	<i>Standard multiple choice, matching and select all that apply questions on readiness assessments and examinations</i>
2	Open Ended Question(s)	<i>Short answer questions on applications and examinations</i>
3	Skills Assessment	<i>Patient care component of final examination</i>
4	Simulation	<i>"Living with Asthma" simulation participation grade</i>
5	Reflection Essay	<i>Reflection of experience during "Living with Asthma" simulation</i>
6	Required Survey	<i>Reflection on course experience</i>
7	OSCE	<i>Teaching OSCE</i>
8	Oral Presentation	<i>Oral defense of a patient case</i>
9	Comprehensive Case	<i>Written Comprehensive Case</i>

Grading Policy & Grade Calculation

Grades will be determined based on evaluation of individual and team readiness assessment tests (iRATs, tRATs), individual midterm examinations, final written examinations, individual and team skills assessments, graded application assignments. Examinations and 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 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 Quizzes	7.5%
Individual SOAP Notes	10%
Team Case Assignments	7.5%
Midterm Assessment – Written	25%
Skills Assessment/TOSCE	10%
Final Assessment – Written	10%
Final Assessment – Skills Assessment/Amazing Race	30%
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 7290.003 Course Schedule

WEEK	DATE	TOPIC	Instructor	CLO¹
1-V	1/13	Course Orientation Asthma Overview/ Patient Assessment: Physical Assessment, Diagnostic Tests, and Devices	Wallace-Gay Bratteli	1
2-V	1/20	Comprehension Quiz—Week 1 Self-Care & Pharmacotherapy: Behavioral & Environmental Modifications	Wooster Wallace-Gay	2
3-L	1/27	Comprehension Quiz—Week 2 Communication: Pediatrics, Low health/medication literacy, & ESL	Wallace-Gay	4, 5
4-V	2/3	Comprehension Quiz—Week 3 Medication Dispensing, Distribution, and Administration: Medication Delivery Devices	Wallace-Gay	5, 7
5-L	2/10	Comprehension Quiz—Week 4 Pediatric Pharmacotherapy	Bratteli	7
6-V	2/17	Comprehension Quiz—Week 5 Advanced Asthma Pharmacotherapy	Bratteli	3
7-L	2/24	Comprehension Quiz—Week 6 tOSCE/Skills Assessment	Wallace-Gay ALL	1-7
8-L	3/3	Assessment 1: Written (~40 questions—M/C, FITB, SA)	ALL	
9	3/8 – 3/12	Spring Break – No Class		
10-V	3/17	Pt 1: Pharmacotherapy / Patient Assessment / Cultural Awareness: The Newly Diagnosed Patient- Educational Needs & Therapy Selection	Wallace-Gay	1-7
11-V	3/24	Assessment and Plan—Week 10/Pt 1 Pt 2: Pharmacotherapy / Patient Assessment: The Follow-Up Visit—Educational Needs & Adjusting Medication Therapy	Bratteli	1-7
12-L	3/31	Assessment and Plan—Week 11/Pt 2 Pt 3: Pharmacotherapy / Patient Assessment: Inpatient Asthma Management	Bratteli	1-7
13-V	4/7	Assessment and Plan—Week 12/Pt 3 Pt 4: Pharmacotherapy / Patient Safety: Transitional Care Services	Wallace-Gay	3, 6
14-L	4/14	Assessment and Plan—Week 13/Pt 4 Written Case and Round Robin Oral Defense	ALL	1-7
15-L	4/21	Assessment 2: Part 1: Patient Care Skills Assessment Assessment 2: Part 2: Written Assessment	ALL	---
16	4/28	No class, Final Exam Week	ALL	---

V = Virtual; L = Live