

**Pharmacoeconomics**  
PHR 394F/393T- Spring 2017  
11:00-12:30 TTH – PHR 2.108

**INSTRUCTORS:**

Karen L. Rascati, Ph.D.  
PHR 3.209A  
E-Mail: [krascati@mail.utexas.edu](mailto:krascati@mail.utexas.edu)  
Office Hours TTH 12:15-1:00 or by appt.

Jamie Barner, Ph.D.  
PHR 3.210B  
E-Mail: [jbarner@mail.utexas.edu](mailto:jbarner@mail.utexas.edu)  
Office Hours TTH 12:15-1:00 or by appt.

**ADMINISTRATIVE ASSOCIATE – Austin:**

Ms. Iris Jennings - PHR 3.209  
E-mail: [irisjenn@mail.utexas.edu](mailto:irisjenn@mail.utexas.edu)

**Faculty/Staff at off-campus sites:**

Dr. Jongwha Chang	<a href="mailto:jchang@utep.edu">jchang@utep.edu</a>	EL_PASO
Mr. Jose Rodriguez	<a href="mailto:josecrod@utep.edu">josecrod@utep.edu</a>	EL_PASO
Prof. Lydia Aguilera	<a href="mailto:lydia.aguilera@utrgv.edu">lydia.aguilera@utrgv.edu</a>	PAN_AM
Ms. Anna Olivarez	<a href="mailto:anna.olivarez@utrgv.edu">anna.olivarez@utrgv.edu</a>	PAN_AM
Prof. Jim Koeller	<a href="mailto:koeller@uthscsa.edu">koeller@uthscsa.edu</a>	SAN_ANT
Ms. Laura Patterson	<a href="mailto:pattersonlr@uthscsa.edu">pattersonlr@uthscsa.edu</a>	SAN_ANT

**PURPOSE:**

The purpose of this course is to familiarize students with terms, concepts, procedures, methods, problems, and strengths associated with pharmacoeconomic research. The course will be applications oriented. Class meetings will be conducted in lecture and discussion formats.

**REQUIRED TEXT:**

*Essentials of Pharmacoeconomics*, Rascati, KL. **Second Edition** Wolters-Kluwer - Lippincott, Williams & Wilkins, 2013.

Available Amazon.com, or University COOP

Notes are available on Canvas

**BEHAVIORAL OBJECTIVES:**

Students should be able to:

1. Understand the rationale and importance of pharmacoeconomic (PE) analyses.
2. Identify and determine relevant cost and consequences associated with pharmacy products and services.
3. Define the differences between cost-benefit analysis (CBA), cost-effectiveness analysis (CEA), cost-minimization analysis (CMA), and cost-utility analysis (CUA).
4. Outline the steps for conducting a pharmacoeconomic analysis.
5. Apply decision analysis methodology.
6. Describe current PE methods and issues.
7. Critique current PE literature.
8. Describe the application of PE to various pharmacy settings

## QUIZZES/ATTENDENCE

Quizzes will be given on most class days using the electronic response pads – approximately 25 questions total will be graded. Some questions are designed to stimulate discussion, while others are used to test your knowledge/application of the material, I will announce each day which question (or questions) will be graded – they will be worth 2 points each.

This course includes class discussion and **attendance is required**. If you will be missing class for a legitimate reason (attending a professional meeting, sick etc.), e-mail me *before* class so that I can mark your absence as 'excused'.

## GRADING:

Up to 50 points – Quizzes – canvas and smart phone

100 points - EXAM I

50 points - In-class critique

25 points – Flipped classroom presentation

100 points - EXAM II

100 points - FINAL – Optional

A	=	93% to 100%
A-	=	90% to 92%
B+	=	87% to 89%
B	=	83% to 86%
B-	=	80% to 82%
C+	=	77% to 79%
C	=	73% to 76%
C-	=	70% to 72%
D+	=	68% to 69%
D	=	66% to 67%
D-	=	65%

As of January 2017 – subject to changes posted on Canvas

<b>DATE</b>	<b>TOPIC</b>	<b>LECTURER</b>	<b>Book Chapter</b>
Jan 17	Syllabus	Rascati	
Jan 19	Introduction	Rascati	Chapter 1
Jan 24	Costs	Rascati	Chapter 2
Jan 26	Costs	Rascati	Chapter 2
Jan 31	Evaluating PE research	Rascati	Chapter 3
Feb 2	CMA	Rascati	Chapter 4
Feb 7	CEA	Rascati	Chapter 5
Feb 9	CEA Assessment	Rascati	Chapter 5
Feb 14	CUA	Rascati	Chapter 6
Feb 16	CUA	Rascati	Chapter 6
Feb 21	CBA	Barner	Chapter 7
Feb 23	CBA	Barner	Chapter 7
Feb 28	HRQOL	Rascati	Chapter 8
<b>Mar 2</b>	<b>EXAM I</b>	<b>Rascati/Proctors</b>	
Mar 7	Decision Analysis	Rascati	Chapter 9
Mar 9	Decision/Markov Analysis	Rascati	Chapter 9/10
Mar 14	SPRING BREAK	No class	
Mar 16	SPRING BREAK	No class	
Mar 21	Markov Analysis		Chapter 10
Mar 23	Retrospective Databases	Rascati	Chapter 11
<b>Mar 28</b>	<b>IN CLASS CRITIQUE</b>	<b>Rascati/Proctors</b>	
Mar 30	International PE	Sabina Nduaguba	Chapter 13
Apr 4	Pharmacy Services	Rascati	Chapter 12
Apr 6	Flipped Classroom	Rascati	
Apr 11	RESEARCH DAY	No class	
Apr 13	Flipped Presentations	Students	
Apr 18	Flipped Presentations	Students	
Apr 20	Future Issues	Rascati	Chapter 14
Apr 25	Current HOPP research	Senior HOPP Graduate Students	
<b>Apr 27</b>	<b>EXAM II</b>	<b>Rascati/Proctors</b>	
May 2	Industry/Consulting perspective	Drs. Nair/Suehs	
May 4	TBA		

### **Scholastic dishonesty statement:**

"Pharmacy practitioners enjoy a special trust and authority based upon the profession's commitment to a code of ethical behavior in its management of client affairs. The inculcation of a sense of responsible professional behavior is a critical component of professional education, and high standards of ethical conduct are expected of pharmacy students. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties including failure of the course involved and dismissal from the college and/or the University. Since dishonesty harms the individual, fellow students, and the integrity of the University and the College of Pharmacy, policies on scholastic dishonesty are strictly enforced."

### **POLICIES AND PROCEDURES FOR PHR 394F**

Please read the following course policies and procedures. It is extremely important that you understand this information before the course begins.

A Word About Conduct: Every student has the *right* to learn as well as the *responsibility* not to deprive others of their right to learn.

1. Please attend all scheduled class meetings and arrive on time. Late arrivals and early departures are very disruptive.
2. If you have trouble hearing the lecture because of distractions around you, quietly ask those responsible for the distractions to stop. If the distraction continues, please let the instructor know.
3. Please let the instructor know immediately if you have any problem that is preventing you from performing satisfactorily in this class.
4. No tests or writing assignment grades will be dropped.
5. During examinations, students will be allowed to leave the examination room only after completing and turning in the exam. If a student is late for an exam and one or more students have completed and turned in the exam, the late student will be considered to have an unapproved absence from the exam. Students with an unapproved absence from an examination will be given zero points for that exam.
6. If the student cannot attend an examination, it is the student's responsibility to notify the appropriate instructor **before** the exam. An approved absence is necessary before the student can make up the exam
7. For approved absences from exams, the student has 3 days from the day of the test to make up the exam unless prior arrangement has been made with the instructor responsible. If the exam is not made up within the specified time period, zero points will be awarded.

8. Examinations will cover information from lectures, **class discussions**, readings, handouts, books or assignments.
9. Exams will be returned during the exam review periods. Students may look at their exams but must turn them back in before leaving the room. If you leave the room with an exam you will get a zero on that exam. Students have up to 7 days after the exam is returned to appeal their grades. The appeals are to be type-written/word processed and submitted to the instructor within the 7-day period. No appeals will be accepted after the 7-day review period has elapsed.
10. NOTE: Students with disabilities may request appropriate academic accommodations from the Division of Diversity and Community Engagement, Services for Students with Disabilities, 471-6259.