

PHCY 5141 Introduction to Health Economics and Outcomes

3 Credit Hours

Background: Health care systems are undergoing significant change. There is significant interest in health outcomes, such as long term clinical outcomes. In addition, much attention is now focused on health care costs that has become crucial for hospitals, managed care organizations, as well as state and federal governments. In addition, there is growing interest in patient reported outcomes.

Course Description: This course considers the role of the range of outcomes used by clinicians and health care systems in assessing treatment modalities. The framework for conducting and assessing outcomes research will be emphasized.

Course Purpose: The purpose of this course is to provide a theoretical foundation and basic methods of application in health technology assessment.

Place and Time of Class Sessions

This course will be taught primarily in synchronous fashion. Virtual classroom sessions will be held live each week on Sunday afternoon/evening at 5:00 pm Wyoming time. Students will be responsible for completing course materials as their time permits, each week, during the 7 weeks of the course, with quizzes and exams being administered on weekends. Discussion board sessions will be held around the clock during the course. Students are expected to actively participate in discussion board on a regular basis.

Course Faculty

Edward P Armstrong, Pharm.D.

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Office Hours TBD

Course Objectives

Upon successful completion of this course, the student will be able to:

1. Understand the economic constructs of health and illness
2. Identify various types of health care costs and sources
3. Identify an appropriate economic analysis for a given situation
4. Differentiate between the types of economic analyses
5. Describe the advantages and disadvantages of each type of economic analysis
6. Identify an appropriate cost calculation for a specific economic analysis
7. Select appropriate components for a specific type of economic analysis
8. Evaluate reports of economic analyses
9. Describe the role of patient reported outcomes

Course Learning Resources:

- Required Textbook:
 - Rascati K. Essentials of Pharmacoeconomics. Second edition. Point (Lippincott Williams and Wilkins, WoltersKluwer Health) (2014).
- Journal Articles

Course Structure & Outline

Classes will then be held weekly, with literature critiques, mid-term examination and final examination as listed on the course schedule.

Evaluation Techniques:

Critique 1 of literature	25 points
Critique 2 of literature	25 points
Critique 3 of literature	25 points
Class participation	50 points
Mid-term examination	50 points
Final examination	<u>50 points</u>
Total points	225 points

Grading:

A:	90.0 – 100.0
B:	80.0 – 89.9
C:	70.0 – 79.9
D:	60.0 – 69.9
F:	<60.0

Class Attendance Policy

Students must regularly attend online classes and productively participate in discussion board. Each student is expected to initiate two original threads per week and three responsive threads that follow the original thread posted by another student. All threads, whether original or responsive, must relate directly to the course material for that week, and must indicate reflective consideration of the material.

Quiz/Exam Policy

Inquiries regarding quizzes, literature critiques, and exams should be directed to the course coordinator, preferably prior to the assessment.

Re-Grading Policy

Requests for a re-grade of an examination, quiz, assignment, or in-class preparedness/participation points, must be requested within 2 business days of the return of the examination, quiz, or assignment. If the 2 business day period elapses and the student does not realize this, the request for a re-grade will NOT be considered. All requests for re-grading must be made in a written statement to the course coordinator and must be supported by appropriate justification (required textbooks, reading assignments, lecture citations). A request for re-grading is a re-evaluation of your work and has the potential to increase or decrease your grade when your work is reconsidered.

Make-up Quiz/Exam Policy

Students who are not excused from a missed quiz or exam will receive a grade of zero on that missed assessment. Any student who misses quizzes and/or exams of a sufficient

number that indicate the student has not completed enough coursework to achieve the objectives of the course will be given an incomplete (I) grade for the course.

Policy on Old Quizzes and Assignments

BE ADVISED THAT the exams are an official University document, and not a public record, and therefore may not be communicated, copied or reproduced by any means, either in whole or in part, or shared with others in any form. Violators will be subject to discipline.

Academic Dishonesty Statement:

The University of Wyoming is built upon a strong foundation of integrity, respect and trust. All members of the university community have a responsibility to be honest and the right to expect honesty from others. Any form of academic dishonesty is unacceptable to our community and will not be tolerated. Teachers and students should report suspected violations of standards of academic honesty to the instructor, program director, or dean.

Other University regulations can be found at:

http://www.uwyo.edu/generalcounsel/_files/docs/uw%20reg%20updates%202016/uw%20reg%206-802.pdf

Disability Support Statement:

If you have a physical, learning, sensory or psychological disability and require accommodations, please let me know as soon as possible. You will need to register with, and possibly provide documentation of your disability to Disability Support Services (DSS), room 109 Knight Hall. You may also contact DSS at (307) 766-3073 or udss@uwyo.edu. Visit their website for more information: www.uwyo.edu/udss.

Course Schedule

Class will begin on October 21st and run to December 9th

Class will be held on Sunday (Monday for first class) at 5:00 pm Wyoming time. They will generally last about 3 academic hours (i.e., 150 minutes) with a break

	Module	Topics	Chapters	Assessment
October 21	1	Introduction Measuring and Estimating Costs	1 and 2	
October 28	2	Critiquing Research Articles Cost-Minimization Analysis	3 and 4	
November 4	3	Cost-Effectiveness Analysis Cost-Utility Analysis	5 and 6	
November 11	4	Cost-Benefit Analysis Health-Related Quality of Life: Health Status Measures	7 and 8	Critique 1 Mid-Term Exam
November 18	5	Decision Analysis Markov Modeling	9 and 10	Critique 2
November 25	6	Retrospective Databases Pharmacy Services	11 and 12	
December 2	7	International Perspective Future Issues	13 and 14	Critique 3
December 9				Final Exam