



Jordan University of Science and Technology

Faculty of Pharmacy

Pharmacy Department

PHAR570 Pharmaco Economics

Second Semester 2023-2024

Course Catalog

2 Credit Hours. Basic principles of pharmaceutical economics; It defines terminology used in health economic research and covers the application of economics based evaluation methods for pharmaceutical products and services

Teaching Method: Blended

Text Book

Title	Essentials of Pharmacoeconomics
Author(s)	Rascati KL
Edition	2nd Edition
Short Name	Ref #1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref #2	Methods for the Economic Evaluation of Health Care Programmes	Michael F. Drummond	4th Edition	

Instructor

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Instructor

Name	Dr. BUSHRA HIJAZI
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Class Schedule & Room

Section 1:
Lecture Time: Sun : 14:30 - 15:30
Room: SOUTH HALL

Section 2:
Lecture Time: Mon : 10:00 - 11:00
Room: D4203

Tentative List of Topics Covered

Weeks	Topic	References
Weeks 1, 2	Introduction to Health economics and Pharmacoeconomics	From Ref #1

Week 3	Measuring and estimating costs	From Ref #1, From Ref #2
Week 4	Cost-minimization analysis	From Ref #2
Weeks 5, 6	Cost-effectiveness analysis	From Ref #2
Weeks 7, 8	Cost-utility analysis	From Ref #2
Weeks 9, 10	Cost-benefits analysis	From Ref #2
Week 11	Critiquing Research Articles	From Ref #1, From Ref #2
Week 12	Health related quality of life	From Ref #1, From Ref #2
Week 13	Revisions	From Ref #1, From Ref #2

Mapping of Course Outcomes to Program Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Illustrate basic concepts related to Pharmacoeconomics [1PLO1.1]	20%	
Identify the basic elements of pharmacoeconomic studies such as measuring and estimating costs, and different types of outcomes. [1PLO1.1]	25%	
Assess different types of pharmacoeconomic studies [1PLO3.1]	25%	
Use pharmacoeconomic modeling in promoting the process of decision making for adopting pharmaceutical services and products. [1PLO2.1]	20%	
Design the best research critique plan and checklist for each type of economic evaluation studies to evaluate appropriateness of evidence [1PLO3.1]	10%	

Relationship to Program Student Outcomes (Out of 100%)															
PLO1.1	PLO2.1	PLO3.2	PLO3.3	PLO2.2	PLO2.3	PLO2.4	PLO3.1	PLO3.4	PLO3.5	PLO3.6	PLO4.1	PLO4.2	PLO4.3	PLO4.4	PLO5.1
45	20						35								

Evaluation	
Assessment Tool	Weight
Midterm exam	30%
Project	20%
Final Exam	50%

Policy	
Exams	The format for the exams is generally (but NOT always) in the form of multiple-choice questions. Grades will not be given out via e-mail.
Cheating	The commitment of the acts of cheating and deceit such as copying during examinations, altering examinations for re-grade, plagiarism of homework assignments, and in any way representing the work of others as your own is dishonest and will not be tolerated. Standard JUST policy will be applied
Attendance	? Excellent attendance is expected. ? JUST policy requires the faculty member to assign ZERO grade (35) if a student misses 20% of the classes. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed.

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