

School of Pharmacy / School of Pharmacy (English)

2024 - 2025 Academic Year

PHARMACOECONOMY

Syllabus

Course Description					
Name	Code	Semester	T+A Hour	Credit	ECTS
PHARMACOECONOMY	PHA5115591	Fall Semester	2+0	2	3
Prerequisites Courses					
Recommended Elective Courses	Health Economics				
Language of Instruction	English				
Course Level	First Cycle (Bachelor's Degree)				
Course Type	Elective				
Course Coordinator	Assist.Prof. İpek EROĞLU				
Name of Lecturer(s)	Assist.Prof. İpek EROĞLU				
Assistant(s)					
Aim	Teach the students the concepts and types of costs used in pharmacoeconomic assessments.				
Course Content	This course contains; Introduction: Pharmacoeconomics definition and importance,Pharmacoeconomic Studies,Concept of cost, cost measuring and estimating costs,Cost Minimization Analysis (CMA),Cost effectiveness Analysis (CEA),Article review: cost effectiveness analysis,Cost Utility Analysis (CUA),Article review: cost utility analysis,Cost Benefit analysis (CBA),Article review: cost benefit analysis,Pricing of pharmaceuticals and reimbursement,Reference pricing,Risk sharing agreements,Pharmaceutical sector in Türkiye.				
Course Learning Outcomes		Teaching Methods		Assessment Methods	
1. Able to explain the concepts related to pharmacoeconomics and the concept of pharmacoeconomics.		10, 16, 9		C	
1.1. Defines the concept of cost and summarises the methods of cost calculation and estimation.		10, 16, 9		C	
1.2. Able to explain drug pricing and reimbursement systems.		10, 16, 9		C	
2. Able to interpret the studies related to pharmacoeconomic analysis methods.		10, 16, 9		C	
Teaching Methods	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
Assessment Methods	C: Multiple-Choice Exam				
Lecture Schedule					
Sequence	Topics	Preliminary Preparation			
1	Introduction: Pharmacoeconomics definition and importance	1			
2	Pharmacoeconomic Studies	1			
3	Concept of cost, cost measuring and estimating costs	1			
4	Cost Minimization Analysis (CMA)	1			
5	Cost effectiveness Analysis (CEA)	1			
6	Article review: cost effectiveness analysis	1			
7	Cost Utility Analysis (CUA)	1			
8	Article review: cost utility analysis	1			
9	Cost Benefit analysis (CBA)	1			
10	Article review: cost benefit analysis	1			
11	Pricing of pharmaceuticals and reimbursement	1			
12	Reference pricing	1			
13	Risk sharing agreements	1			
14	Pharmaceutical sector in Türkiye	1			
Evaluation Methods		Weight(%)			
Midterm Exam		40			
General Exam		60			

Resources
1. Bootman, J. L, Townsend R. J., McGhan W. F. "Farmakoeconominin Prensipleri", Koçkaya, G (Transl. Ed.), 2012