

**School of Pharmacy / School of Pharmacy (English)**

**2024 - 2025 Academic Year**

**PHARMACOECONOMY**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
PHARMACOECONOMY	PHA5215591	Spring Semester	2+0	2	3
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>	Health Economics				
<b>Language of Instruction</b>	English				
<b>Course Level</b>	First Cycle (Bachelor's Degree)				
<b>Course Type</b>	Elective				
<b>Course Coordinator</b>	Assist.Prof. İpek EROĞLU				
<b>Name of Lecturer(s)</b>	Assist.Prof. İpek EROĞLU				
<b>Assistant(s)</b>					
<b>Aim</b>	Teach the students the concepts and types of costs used in pharmacoeconomic assessments.				
<b>Course Content</b>	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.				
<b>Course Learning Outcomes</b>			<b>Teaching Methods</b>	<b>Assessment Methods</b>	
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	
<b>Teaching Methods</b>	10: Discussion Method, 16: Question - Answer Technique, 9: Lecture Method				
<b>Assessment Methods</b>	C: Multiple-Choice Exam				
<b>Lecture Schedule</b>					
<b>Sequence</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
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			
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

<b>Resources</b>
1. Bootman, J. L, Townsend R. J., McGhan W. F. "Farmakoekonominin Prensipleri", Koçkaya, G (Transl. Ed.), 2012