

University of Al-Anbar

College of Pharmacy

Department of Clinical Pharmacy

Title of the course: *Pharmacoeconomics* Course number: **527**

Level: 5th Class, 2nd Semester

Credit hours: **Theory 2 hours Laboratory ----**

Tutors:

Reference text: *Bootman JL, Townsend RJ, McGhan WF, (Eds.), Principles of Pharmacoeconomics, Harvey Whitney Books Company, Cincinnati, Oh, Latest edition.*

Objectives: The present course will give students the basic understanding of the tools needed to assess the costs and outcomes of medications and pharmaceutical care services. It will enable participants to evaluate the pharmacoeconomic and quality of life literature for the purpose of rational decision-making. Students will be exposed to the drug-focused approaches to pharmacoeconomic research and the fundamentals of quality of life research.

No	Lecture title	hours
1.	Course overview, Changes in health care delivery, overview of pharmacoeconomics.	2
2.	Cost determination.	2
3.	Evaluation of outcomes and effectiveness, types of pharmacoeconomic analyses: Cost effectiveness analyses (CEA), cost minimization analyses (CMA).	2
4.	Methods of data collection and analyses, modeling (decision analyses).	2
5.	1 st mid-term examination.	2
6.	Incremental analyses; case studies.	2
7.	Evaluation outcomes: Utility and quality of life; types of pharmacoeconomic analyses, cost utility analyses (CUA).	2
8.	Evaluation outcomes: Net benefit, cost utility analyses (CBA), compare and contrast CEA, CUA and CBA.	2
9.	Methods of data collection and analyses: Statistical/Econometric modeling.	2
10.	2 nd mid-term examination.	2
11.	Drug-focused versus disease-focused frame work for conducting pharmacoeconomic analyses.	2
12.	Critical review of pharmacoeconomic and quality of life literature.	2
13.	Introduction to epidemiology.	2
14.	Project presentation.	2
15.	Project presentation.	2