Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy	**QF02/0408-1.0**

Department	Pharmacy

Course Name	**Pharmacoeconomics** (**PE**)	Course No.	**201523**
Prerequisite	**Therapeutics & Clinical Pharmacy-1- &Pharmaceutical Marketing**	Credit Hours	2
Number & date of course plan approval		Brief Description	See form QF02/0409

Intended Learning Outcomes	By the end of this course students should be able to understand and use various techniques, tools, and strategies to evaluate the economic contribution of specific drug therapies at a policy level and for individual patient needs.
Course Topics	This course is designed for students to be familiar with "pharmacoeconomics." It provides a straightforward explanation of the essential pharmacoeconomics topics outlined by The Accreditation Council for Pharmacy Education (ACPE). It defines terminology used in research and covers the application of economic-based evaluation methods for pharmaceutical products and services. Students will find examples of how pharmacoeconomic evaluations relate to decisions that affect patient care and health-related quality of life.
Text Books	Essentials of Pharmacoeconomics, Karen L. Rascati. 2009, Edition 1. Lippincott Williams & Wilkins. A Wolters Kluwer Health. ISBN-10: 0781765447, ISBN-13: 978-0781765442.
References	Principles of Pharmacoeconomics. J Lyle Bootman, Raymond J Townsend, and William F McGhan. 3rd Ed. 08/28/2004. ISBN10: 0929375270, ISBN-13: 978-0929375274.
☐ **Grade Determination**	1st Exam = 25% 2nd Exam = 25% Final Exam = 50%	☐ Practical Course Grade Determination	Course Work = 50% (Reports, Term Papers, Quizes) Final Exam = 50%

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Course Outline

Week	Hours	Subjects	Chapters in Textbook	Notes
1	2	Introduction-What is PE? Why PE is important?	Chapter 1	
2	2	Measuring and estimating costs	Chapter 2	
3	2	Critiquing research articles	Chapter 3	
4	2	Cost-minimization analysis	Chapter 4	
5	2	Cost-effectiveness analysis	Chapter 5	
6	2	Cost-utility analysis	Chapter 6	
7	2	Cost-benefit analysis	Chapter 7	
8	2	Health-related quality of life: Health status measures	Chapter 8	
9	2	Health-related quality of life: Health status measures	Chapter 8	
10	2	Decision analysis	Chapter 9	
11	2	Markov modeling	Chapter 10	
12	2	Retrospective database	Chapter 11	
13	2	Retrospective database	Chapter 11	
14	2	Pharmacy services	Chapter 12	
15	2	International perspective	Chapter 13	
16	2	Future issues	Chapter 14	

Approved by Dept. Chair		Date of Approval	

Extra Information: (Updated every semester and filled by course instructor)

Course Instructor	
Office No.	
Extension Email	
Office hours	