

Course Detailed Description – Procedures of the Course Plan Committee /Faculty of Pharmacy	QF02/0408–2.1E
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Department	Pharmacy
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<b>Course Name</b>	<b>Pharmacoconomics (PE)</b>	<b>Course No.</b>	<b>201523</b>
Prerequisite	Therapeutics & Clinical Pharmacy-1- &Pharmaceutical Marketing	Credit Hours	2
Number & date of course plan approval		Brief Description	See form QF02/0409

<b>Course Objective</b>	<p><b>Overall Objectives</b></p> <ul style="list-style-type: none"> <li>Understand the basic principles and concepts of pharmacoeconomics.</li> <li>Learn techniques of pharmacoeconomic analysis, measurement and valuation of costs and outcomes of different treatments, use of models, assessment of the quality of pharmacoeconomic studies – and their practical use in the Portuguese context.</li> </ul> <p><b>Specific Objectives</b></p> <ul style="list-style-type: none"> <li>Identify and understand the main techniques of analysis used in pharmacoeconomics (cost-minimization, cost-effectiveness, cost-utility and Cost-benefit).</li> <li>Identify and measure and value costs and outcomes.</li> <li>Interpret and use pharmacoeconomic studies in current practice.</li> </ul>
<b>Intended Learning Outcomes</b>	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.
<b>Course Topics</b>	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.
<b>Text Books</b>	Essentials of Pharmacoeconomics, Karen L. Rascati. 2009, Edition 1. Lippincott Williams & Wilkins. A Wolters Kluwer Health. ISBN-10: 0781765447, ISBN-13: 978-0781765442.
<b>References</b>	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	1 <sup>st</sup> Exam = 25% 2 <sup>nd</sup> Exam = 25% Final Exam = 50%	Practical Course Grade Determination	Course Work = 50% (Reports, Term Papers, Quizes) Final Exam = 50%	
<b>Course Outline</b>				
Week	Hours	Subjects	Chapters in Textbook	Notes
1	1 2	Introduction-What is PE? Why PE is important?	1	
2	3 4	Measuring and estimating costs	2	
3	5 6	Measuring and estimating costs	2	
4	7 8	Critiquing research articles	3	
5	9 10	Critiquing research articles	3	
6	11 12	Cost-minimization analysis	4	
7	13 14	Cost-minimization analysis	4	
8	15 16	Cost-effectiveness analysis	5	
9	17 18	Cost-effectiveness analysis	5	
10	19 20	Cost-utility analysis	6	
11	21 22	Cost-utility analysis	6	
12	23 24	Cost-benefit analysis	7	
13	25 26	Cost-benefit analysis	7	



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Week	Hours	Subjects	Chapters in Textbook	Notes
14	27 28	Health-related quality of life: Health status measures	8	
15	29 30	Health-related quality of life: Health status measures	8	
16	31 32	Final exam	-	
Approved by Dept. Chair			Date of Approval	

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

<b>Course Instructor</b>	Dr. Rania Hamed
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<b>Office hours</b>	1-2 Sunday, Tuesday & Thursday 11-12 Monday & Wednesday