



كلية الصيدلة جامعة الزيتونة الأردنية  
Faculty of Pharmacy  
Al-Zaytoonah University of Jordan

" نحو تعليم صيدلاني متميز "  
Toward Excellence in Pharmaceutical  
Education

جامعة الزيتونة الأردنية  
Al-Zaytoonah University of Jordan  
كلية الصيدلة  
Faculty of Pharmacy



"Tradition and Quality"

<b>Detailed Course Description - Course Plan Development and Updating Procedures/ Pharmacy Department</b>	<b>QF02/0408-3.0E</b>
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Faculty	Pharmacy	Department	Pharmacy
Course number	201523	Course title	Pharmacoeconomics
Number of credit hours	2	Pre-requisite/co-requisite	Therapeutics and Clinical Pharmacy-1- Pharmaceutical Marketing

### Brief course description

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.

Course goals and learning outcomes	
<b>Goal 1</b>	To introduce students to the basic principles and concepts of pharmacoeconomics
Learning outcomes	1.1 Understand the meaning of pharmacoeconomics. 1.2 Describe why the pharmacoeconomics science is important in health care.
<b>Goal 2</b>	To familiarize students with the different types of cost analysis used in pharmacoeconomics
Learning outcomes	2.1 Define cost-minimisation, cost-effectiveness, cost-utility and cost-benefit. 2.2 Differentiate between the different methods of cost analysis (cost-minimisation, cost-effectiveness, cost-utility and cost-benefit). 2.3 Calculate cost-minimisation, cost-effectiveness, cost-utility and cost-benefit
<b>Goal 3</b>	To introduce students to critiquing the results of research articles
Learning outcomes	3.1 Know how to critique the results of research articles in terms of
<b>Goal 4</b>	To familiarize the students with the importance of measuring health-related quality of life.
Learning outcomes	4.1 Describe the importance of measuring health-related quality of life. 4.2 Define the methods for assessing the psychometric properties of health related quality of life instruments, such as reliability, validity and responsiveness.
<b>Textbook</b>	Essentials of Pharmacoeconomics, Karen L. Rascati. 2009, Edition 1. Lippincott Williams & Wilkins. A Wolters Kluwer Health. ISBN-10: 0781765447, ISBN-13: 978-0781765442.



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<b>Supplementary 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.
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<b>Course timeline</b>				
<b>Week</b>	<b>Number of hours</b>	<b>Course topics</b>	<b>Pages (textbook)</b>	<b>Notes</b>
<b>01</b>	<b>1</b> <b>1</b>	Introduction-What is PE? Why PE is important?	Chapter 1	-
<b>02</b>	<b>1</b> <b>1</b>	Measuring and estimating costs	Chapter 2	-
<b>03</b>	<b>1</b> <b>1</b>	Measuring and estimating costs	Chapter 2	-
<b>04</b>	<b>1</b> <b>1</b>	Critiquing research articles	Chapter 3	-
<b>05</b>	<b>1</b> <b>1</b>	Critiquing research articles	Chapter 3	-
<b>06</b>	<b>1</b> <b>1</b>	Cost-minimization analysis	Chapter 4	-
<b>07</b>	<b>1</b> <b>1</b>	Cost-minimization analysis	Chapter 4	-
<b>08</b>	<b>1</b> <b>1</b>	Cost-effectiveness analysis	Chapter 5	-
<b>09</b>	<b>1</b> <b>1</b>	Cost-effectiveness analysis	Chapter 5	-
<b>10</b>	<b>1</b> <b>1</b>	Cost-utility analysis	Chapter 6	-
<b>11</b>	<b>1</b> <b>1</b>	Cost-utility analysis	Chapter 6	-
<b>12</b>	<b>1</b> <b>1</b>	Cost-benefit analysis	Chapter 7	-



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13	1 1	Cost-benefit analysis	Chapter 7	-
14	1 1	Health-related quality of life: Health status measures	Chapter 8	-
15	1 1	Health-related quality of life: Health status measures	Chapter 8	-
16	1 1	Final exam	-	-

<b>Theoretical course evaluation methods and weight</b>	First exam 25% Second exam 25% Final exam 50%	<b>Practical (clinical) course evaluation methods</b>	N/A
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<b>Approved by head of department</b>		<b>Date of approval</b>	
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Extra information (to be updated every semester by corresponding faculty member)

<b>Name of teacher</b>	Dr. Rania hamed	<b>Office Number</b>	225
<b>Phone number (extension)</b>	299	<b>Email</b>	<a href="mailto:rania.hamed@zuj.edu.jo">rania.hamed@zuj.edu.jo</a>
<b>Office hours</b>	Sunday-Thursday 10 am -11 am.		