



The Hashemite University

Course Syllabus

Health Economics

1	Course title	Health Economics
2	Course number	111501101
3	Credit hours (theory, practical)	2 hours
	Contact hours (theory, practical)	Theory: 2
4	Course meeting time	Wednesday 9-11
	Course location	Allied Health theatre
5	Program title	Doctor of Medicine (MD)
7	Awarding institution	The Hashemite University
8	Faculty	Faculty of Medicine
9	Department	Basic medical sciences
10	Level of course	First year medical students
11	Year of study and semester (s)	2018/2019 First semester
12	Final Qualification	MD degree
13	Other department (s) Involved in teaching the course	None
14	Language of Instruction	English
15	Date of production/revision	1/9/2018

Course Coordinator:

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Course Description:

Against a background of increasing demands on limited resources, health economics is exerting an influence on decision making at all levels of health care. Health economics seeks to facilitate decision making by offering an explicit decision making framework based on the principle of efficiency. It is not the only consideration but it is an important one and practitioners will need to have an understanding of its basic principles and how it can impact on clinical decision making. This course is based to review some of the basic principles of health economics and in particular economic evaluation.

This course is specifically designed to enable the medical student to understand the principles of health economic that drive the demand for and supply of medical care in Jordan. After completing this course, the student should be able to understand the logic behind decisions made by physicians, hospitals, managed care organizations, and government as well as the choices made by consumers on individual and aggregate levels. The ultimate goal is for students to become better equipped at becoming effective decision-makers, themselves. Emphasis will be placed throughout the course on empirically sound and well-grounded economic theory; however applications of such theory in real situations that have occurred and/or predicted to occur in the future will be illustrated.

Intended Learning Outcomes (ILOs):

1. At the end of the course, the student should be able to answer the following questions:
 - What is health and how do we put a value on it?
 - What influences health other than health care?
 - What are the health needs of the individuals and the population?
 - What influences the demand for health care and health care seeking behaviour?
 - What influences the supply of health care? (The behaviour of doctors and health care providers.)
 - Alternative ways of production and delivery of health care.
 - Planning, budgeting, and monitoring of health care.
 - Economic evaluation—relating the costs and benefits of alternative ways of delivering health care.
2. The course will shed the lights on the implications of studying health economics (why)?
3. Shed the light on determinants of health.
4. Differentiate between changes in “demand” and changes in “quantity demanded” and identify factors which may facilitate changes in either. .
5. Define the following terms: fixed cost, variable cost, marginal cost, marginal analysis, opportunity cost, and universal cost.
6. Identify factors which affect the demand for medical care; predict the effect of certain occurrences (i.e., changes in income, recession, shifts in insurance policy) on the demand for medical care.
7. Identify paying methods of health care providers
8. Understand methods of economic evaluation.
9. Understand health care financing.
10. Identify health service financing in Jordan
11. Understand globalization and health
12. Discuss health worker migration

Topic Outline and Schedule:

Week	Topic	General Objective
1-3	Introduction	Lectures 1-6 Basic definitions and terminology; definitions of the following: What is economics? What is “Health”? What is disease? The attributes of optimal health. Health for all. ALMA ATA DECLARATION (1978) What is Health care? Levels of Health Care Primary health care Secondary health care Tertiary health care Characteristics of hospital-based, curative –oriented care. Goals for Health Care Quality

4-5	What is "Health Economics"?	<p>Why Health Economics?</p> <p>Escalating (increasing) health care costs.</p> <p>Contribution of economics in health care services</p> <p>Health economics 'map'</p> <p>Priority and Prioritization</p> <p>Health and the economy: A vital relationship</p> <p>Universal coverage</p>
6-8	The determinants of health	<p>Importance of Health Determinants</p> <p>Death Global Leading Causes of</p> <p>Model of Determinants of Health</p> <p>International Health Disparities</p> <p>Theoretical Approaches</p> <p>Social Determinants of Health</p> <p>Importance of Social Determinants of Health</p> <p>Improving Health Status</p> <p>Disparities in access to health care</p>
8-10	Healthcare Economic Terms	<p>Definition of terms related to health economics.</p> <p>Fixed and Variable cost</p> <p>Opportunity cost</p> <p>Marginal cost</p> <p>Friction cost</p> <p>Quality related terms</p> <p>Macroeconomic and Microeconomic</p> <p>Paying health care providers</p> <p>Paying for health Care</p> <p>The impact of financing on the consumers decisions and providers decisions.</p>
11-12	Scope of health economics	<p>Scope of health economics</p> <p>Demand for health</p> <p>Need_for health</p> <p>Supply of health</p> <p>Understanding the scope of demand, needs, and wants.</p> <p>Maslow's hierarchy of needs</p> <p>Factors that distinguish health economics from other areas.</p> <p>Utilization of health care services.</p> <p>Utilization indicators.</p>
13-14	Economic Evaluation	<p>Methods of Economic Evaluation:</p> <p>Cost-minimisation analysis (CMA).</p> <p>Cost-effectiveness analysis (CEA).</p> <p>Cost-benefit analysis (CBA)</p> <p>Cost-utility analysis (CUA).</p>
15-16	Final exams	

Teaching Methods and Assignments:

Development of ILOs is promoted through the following teaching and learning methods:

1. Theoretical Lectures

Evaluation Methods:**Grading Policy:**

Grades can be based on the following:

First Exam:	30%.
Second Exam:	30%.
Final Exam:	40%.
Total Points:	100

Course Policies:

Late Assignments: According to college policy
 Missed exams: According to college policy
 Absence : According to college policy
 Cheating: According to college policy
 Classroom Protocol: According to college policy
 Student rights and responsibilities: According to college policy

References:

Author	Title
Wonderling, David. Gruen, Reinhold. Black, Nick. .	<u>Introduction to health economics</u> Publisher: Open University Press, Publication Date: 2005.
	Selected articles and handout documents on health economic issues (will be available to students as paper or electronic versions).

Additional information:

The semester is 16 weeks:
 -14 weeks:
 (2 theory hours weekly)
 -Last two weeks for final exams according to university regulations.