

The Hebrew University of Jerusalem

Syllabus

ECONOMICS EVALUATIONS IN MEDICINE - 98440

Last update 01-10-2019

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Public Health

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: prof amir shmueli

Coordinator Email: amirsh@ekmd.huji.ac.il

Coordinator Office Hours:

Teaching Staff:

Ms. Shuli Brammli-Greenberg

Course/Module description:

In recent years, there has been growing awareness of the economic considerations in medical decisions. In the absence of a free market, there is no mechanism to make the allocation of resources, and to achieve an efficient allocation of resources, there is a need for economic evaluations of medical interventions and programs. Increasingly suppliers of technologies and medical services are required to prove an economic advantage by the payers. This course is a technical training which will introduce the student to the most popular methods to perform economic evaluations of medical technologies and programs

Course/Module aims:

The main objective of the course is to familiarize the student with the latest knowledge in the field of economic evaluations in medicine. In this framework, the aim is to introduce the quantitative methods used in the field, discuss them, and to evaluate their use from economic and ethical viewpoints.

Learning outcomes - On successful completion of this module, students should be able to:

- 1. Perform basic economic evaluations of medical technology*
- 2. Read critically works that perform economic evaluations in medicine.*
- 3. Understand the component of the "basket committee" in Israel and in other countries regarding the inclusion of medical technologies in the publicly funded package of benefits.*

Attendance requirements(%):

Teaching arrangement and method of instruction:

Course/Module Content:

- 1. Introduction and overview*
- 2. Medical decision making*
- 3. Costs*
- 4. Cost effectiveness analysis*
- 5. Cost utility analysis*
- 6. Cost benefit analysis*

7. From theory to practice

Required Reading:

The text book is

Drummond M. et al., *Methods for the economic evaluation of health care programmes*, 2nd edition, Oxford University Press, 1997 Or 3rd Edition, Oxford University Press, 2005.

Additional reading:

שמר י. ואח', קידום טכנולוגיות רפואיות בסל שירותי הבריאות בישראל: 1995-2000 הרפואה 142 : 82- 86 , 2003

Shemer J., Year 2006 update of the national list of health services - an endless process (editorial), *IMAJ* 8:646-648, 2006

Tamir O et al., Year 2006 update of the national list of health services, *IMAJ* 8:595-600, 2006.

שמואלי ע. ואנגלצ'ין-ניסן א., בחינה כלכלית של עדכון סל שירותי הבריאות 2006-2007, הרפואה 2008

Sorenson C et al., *Ensuring value for money in health care - the role of HTA in the EU*, Observatory Studies Series 11, European Observatory on health Systems and Policies, 2008. Chapter 3 pp 9-33

Additional Reading Material:

Weinstein MC. Economic assessments of medical practices and technologies, *Medical Decision Making* 1:309-330, 1981.

Fuchs VR and Garber AM. The new technology assessment *NEJM* 323:673-677, 1990.

Medical Decision Making 17: 123-159, 1997

Sonnenberg F. and Beck R., Markov models in medical decision making: a practical guide, *Medical Decision Making* 13:322-338, 1993.

Garber AM. Advances in cost-effectiveness analysis of health interventions. In Culyer AJ and Newhouse JP (eds), *Hanbook of health economics*, V. 1A, Chapter 4, Elsevier Science, 2000.

Dolan P., The measurement of health-related quality of life. In Culyer AJ and Newhouse JP (eds), *Hanbook of health economics*, V. 1B, Chapter 32, Elsevier Science, 2000.

Course/Module evaluation:

End of year written/oral examination 100 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 0 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

There will be 2-3 self-evaluated assignments