UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Hta

2324-5-H4102D037-H4102D155M

Aims

Understanding the process of technology assessment in healthcare, being able to read and structure a HTA report.

Contents

The course provides students with principles, concepts and methods employed in the technology assessment procedures. Understanding of the multidimensional approaches involved in the HTA, including biostatistics and economic methodology employed in order to assess the Overall Strength of Evidence.

Detailed program

Introduction of new technologies: approval and reimbursement processes.

Multidisciplinary perspective of HTA and role of National and international HTA agencies.

HTA report structure: review of clinical efficacy measures, Review of Economic impact index and complex assessment using Markov model.

Systematic reviews in HTA. How to synthesize results: forest and funnel plot.

Prerequisites

There are no mandatory courses however students will benefit from having undertaken “biostatistics”, “health economics” and “Turning Clinical Experience Into Research Projects”.

Teaching form

Frontal lesson, exercise and small group activities.

Textbook and teaching resource

Material and slides provided during the lectures

Goeree, R. (2015). Health technology assessment: using biostatistics to break the barriers of adopting new medicines. CRC Press.

Higgins, J. P., Thomas, J., Chandler, J., Cumpston, M., Li, T., Page, M. J., & Welch, V. A. (Eds.). (2019). Cochrane handbook for systematic reviews of interventions. John Wiley & Sons.

Semester

II semester

Assessment method

Exam will consist of a case report prepared by each student. The case presented is the starting point for the oral examination, further details will be provided during the course.

Office hours

Arranged via email

Sustainable Development Goals