# MD990-20 Introduction to Health Economics (for non-economists)

## 21/22

**Department**
Warwick Medical School
**Level**
Taught Postgraduate Level
**Module leader**
Lazaros Andronis
**Credit value**
20
**Module duration**
11 weeks
**Assessment**
100% coursework
**Study location**
University of Warwick main campus, Coventry

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## Description

## Introductory description

Module web page

## Module aims

The aim of this module is to provide an understanding of economic concepts and their relevance to decisions around the allocation of health care resources. This understanding will be at the level where participants will be able to critically appraise health economic studies and engage with health economists working with them as advisors or research collaborators.

## Outline syllabus

This is an indicative module outline only to give an indication of the sort of topics that may be covered. Actual sessions held may differ.

The syllabus will include the following sections:

Economics applied to health and health care

- An overview of key concepts in economic theory and their application in health care.

Health care systems – ethical and economic considerations.

- A comparison of alternative international approaches to funding and providing health care, and a discussion about the degree to which different systems achieve key objectives, such as basic coverage, efficiency and equity.

Conducting and appraising economic evaluations

- An overview of the principles of economic evaluation, and the methods used to measure and value costs and benefits of health care.

Decision modelling and representations of uncertainty in economic evaluation.

- An overview of the need for modelling in economic evaluation, the methods used for economic models, and how decision uncertainty is presented in economic evaluation.

Use of economic evaluation findings to inform policy making

- An overview of the role, extent and mechanisms though which results of economic evaluation are used to inform decision making in health care.

## Learning outcomes

By the end of the module, students should be able to:

- - Acquire and demonstrate an advanced understanding of key economic concepts (such as opportunity cost, efficiency, marginal analysis) and justify the use of these concepts to support health policy.
- - Differentiate between alternative approaches countries use to structure their health care systems and deliver health care, and critique these approaches based on considerations such as population coverage, total spending, efficiency and equity.
- - Acquire and demonstrate an understanding of the methods underpinning economic evaluation in health care, and become aware of key aspects of good practice in undertaking and reporting an economic evaluation

## Indicative reading list

Reading lists can be found in Talis

Specific reading list for the module

## Subject specific skills

Sound understanding of subject
Critically evaluate
Reflection

## Transferable skills

Numeracy
Thinking and problem solving
written communication
oral communication
Teamwork
Organisation & time management
Use of tools and technology
Commercial awareness
Independence and initiative
Adaptability/Flexibility

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## Study

## Study time

| Type | Required |
|---|---|
| Lectures | 14 sessions of 1 hour (7%) |
| Seminars | 5 sessions of 1 hour (2%) |
| Tutorials | 2 sessions of 1 hour (1%) |
| Practical classes | 4 sessions of 1 hour (2%) |
| Private study | 175 hours (88%) |
| Total | 200 hours |

## Private study description

Self directed learning

## Costs

No further costs have been identified for this module.

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## Assessment

You must pass all assessment components to pass the module.

Students can register for this module without taking any assessment.

### Assessment group A3

| | Weighting | Study time | Eligible for self-certification |
|---|---|---|---|
| **Assessment component** | | | |
| Written Assignment 1 | 50% | | Yes (extension) |
| A two-part assessment. Marks will be awarded for each part and will be combined to give an overall module mark.<br><br>Part A: 1 x 2000 word written assignment to demonstrate understanding and critical thinking about key economic concepts.<br><br>Part B: 1 x 2000 word written assignment presenting a critical appraisal of a published economic evaluation study. | | | |
| **Reassessment component is the same** | | | |
| **Assessment component** | | | |
| Written Assignment 2 | 50% | | Yes (extension) |
| **Reassessment component is the same** | | | |

### Feedback on assessment

Written feedback will be provided for the written assignments in line with WMS postgraduate assessment criteria. Further verbal feedback will be made available to students on request.

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## Availability

## Courses

This module is Core for:

- Year 1 of TMDS-B90F Postgraduate Award in Introduction to Health Economics (for non-economists)

This module is Core optional for:

- Year 1 of TWMS-B9AA Postgraduate Healthcare Operational Management

This module is Optional for:

- Year 1 of TIMA-L981 Postgraduate Social Science Research

- Year 1 of TMDS-B9C2 Postgraduate Taught Health Research