

# EC109-30 Microeconomics 1

**22/23**

**Department**

Economics

**Level**

Undergraduate Level 1

**Module leader**

Andrew Harkins

**Credit value**

30

**Module duration**

20 weeks

**Assessment**

Multiple

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

This module provides students with a thorough understanding in basic principles of microeconomics. You will be exposed to a range of the application theories. You will gain an understanding of how markets work, including strategic behaviour of firms and the various models under which firms might behave. You will gain skills and techniques to analyse problems from a mathematical, graphical and intuitive perspective applying your knowledge to real world scenarios.

[Module web page](#)

### Module aims

To provide students with a thorough grounding in the basic principles of microeconomics and exposure to a range of applications of the theory. Students should develop an understanding of consumer and producer theory and how they can be used to solve problems. The module aims to provide students with an understanding of how markets work, including strategic behaviour of firms and the various models under which firms might behave. The module aims to provide students with the skills and techniques to analyse problems from a mathematical, graphical and intuitive perspective and to apply their knowledge to real world scenarios.

### 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 module will typically cover SOME OF the following topics:

Supply and Demand. Supply; demand; market equilibrium; equilibrium shocks; government intervention; supply and demand elasticities. Consumer theory. Preferences; utility; budget constraints; individual demand; substitution effects; income effects; revealed preferences, applications, behavioural economics and critiques of rational choice framework; Production. Technology; isoquants; marginal rate of technical substitution; marginal products; cost curves; long and short run; returns to scale; profit maximisation; cost minimisation; cost curves; supply curves. Competition. Profit maximisation; short run; long run; market equilibrium; consumer welfare; producer welfare; applications. Imperfect Competition; Models of Oligopoly: Cournot Model; Stackelberg Model; Comparison of Collusive, Cournot, Stackelberg, and Competitive Equilibria; Bertrand Model; Game Theory. An introduction to terminology and Nash equilibria; an introduction to economic models.

## **Learning outcomes**

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

- Demonstrate a solid grasp of the basic theoretical material in microeconomics, including consumer and producer theory.
- Demonstrate an ability to apply their knowledge to important areas of application, including policy analysis.
- Show understanding of core concepts in consumer and producer theory
- Explain a variety of concepts using different approaches, including those involving mathematical, graphical and intuitive analysis.
- Construct models of both consumer and producer behaviour and understand the implications and understand the way in which economic models are used to analyse problems and the limitations of them.

## **Indicative reading list**

Please see Talis Aspire link for most up to date list.

[View reading list on Talis Aspire](#)

## **Subject specific skills**

Analytical thinking and communication

Analytical reasoning

Critical thinking

Strategic thinking

Problem-solving

Abstraction

Policy evaluation

Analysis of incentives

Concepts of Simultaneity and Endogeneity

Analysis of optimisation

## Transferable skills

Numeracy and quantitative skills

Written communication skills

Oral communication skills

Mathematical, statistical and data-based research skills

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## Study

### Study time

Type	Required
Lectures	20 sessions of 2 hours (13%)
Seminars	8 sessions of 1 hour (3%)
Demonstrations	8 sessions of 1 hour (3%)
Private study	244 hours (81%)
Total	300 hours

### Private study description

Private study will be required in order to prepare for seminars/classes, to review lecture notes, to prepare for forthcoming assessments, tests, and exams, and to undertake wider reading around the subject.

## Costs

No further costs have been identified for this module.

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## Assessment

You do not need to pass all assessment components to pass the module.

Students can register for this module without taking any assessment.

### Assessment group D4

	Weighting	Study time
Test 1	5%	
Online multiple choice question test		

	<b>Weighting</b>	<b>Study time</b>
Test 2	10%	
Online multiple choice question test		
Test 3	5%	
Online multiple choice question test		
Test 4	10%	
Online multiple choice question test		
Online Examination	70%	
A paper which examines the course content and ensures learning outcomes are achieved.		
~Platforms - AEP		

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- Online examination: No Answerbook required
- Students may use a calculator

### **Assessment group R3**

	<b>Weighting</b>	<b>Study time</b>
Online Examination - Resit	100%	
A paper which examines the course content and ensures learning outcomes are achieved.		
~Platforms - AEP		

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- Online examination: No Answerbook required
- Students may use a calculator

### **Feedback on assessment**

The Department of Economics is committed to providing high quality and timely feedback to students on their assessed work, to enable them to review and continuously improve their work. We are dedicated to ensuring feedback is returned to students within 20 University working days of their assessment deadline. Feedback for assignments is returned either on a standardised assessment feedback cover sheet which gives information both by tick boxes and by free comments or via free text comments on tabula, together with the annotated assignment. For tests and problem sets, students receive solutions as an important form of feedback and their marked assignment, with a breakdown of marks and comments by question and sub-question. Students are informed how to access their feedback, either by collecting from the Undergraduate Office or via tabula. Module leaders often provide generic feedback for the cohort outlining what was done well, less well, and what was expected on the assignment and any other common themes. This

feedback also includes a cumulative distribution function with summary statistics so students can review their performance in relation to the cohort. This feedback is in addition to the individual-specific feedback on assessment performance.

[Past exam papers for EC109](#)

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## Availability

### Pre-requisites

A-level Mathematics or the equivalent

### Post-requisite modules

If you pass this module, you can take:

- EC228-15 Political Economy: Theory and Applications
- EC242-15 Environmental and Resource Economics
- EC241-15 Experimental Economics

## Courses

This module is Core for:

- UECA-3 Undergraduate Economics 3 Year Variants
  - Year 1 of L100 Economics
  - Year 1 of L100 Economics
  - Year 1 of L100 Economics
  - Year 1 of L116 Economics and Industrial Organization
  - Year 1 of L116 Economics and Industrial Organization