

# EC9A1-35 Advanced Microeconomic Theory

**26/27**

**Department**

Economics

**Level**

Taught Postgraduate Level

**Module leader**

Bhaskar Dutta

**Credit value**

35

**Module duration**

20 weeks

**Assessment**

Multiple

**Study location**

University of Warwick main campus, Coventry

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## Description

### Introductory description

EC9A1-35 Advanced Microeconomic Theory

[Module web page](#)

### Module aims

The module aims to develop the skills in, and knowledge of, microeconomics necessary for a career as an academic economist and in all areas where advanced research skills in economics are required. Specifically, it aims to teach the students to understand, appreciate, and ultimately contribute to, frontier research. It is intended to be comparable to modules taught in the best research universities in the USA and elsewhere in Europe.

### 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 the following topics:

- Decision Theory: Decision Theory; Choice under Uncertainty; Dynamic Choice.
- Game Theory: Static Games of Complete Information; Dynamic Games of Complete Information; Repeated Games; Static Games with Incomplete Information; Dynamic Games with Incomplete Information; Cooperative Game Theory.
- General competitive analysis: Abstract Economies; Economies with uncertainty; Dynamic economies.
- Social Choice and Information Economics: Social Choice; Information Economics.

## Learning outcomes

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

- Cognitive Skills:...be in a position to critically evaluate and apply modern techniques to develop microeconomic models in their own research.
- Subject Knowledge and Understanding:...have a comprehensive understanding of the main techniques of modern microeconomic theory.
- Subject Knowledge and Understanding:...have an advanced knowledge of recent research in key areas of microeconomic theory.

## Indicative reading list

[Reading lists can be found in Talis](#)

[Specific reading list for the module](#)

## Subject specific skills

Analytical thinking and communication

Analytical Reasoning

Critical thinking

Problem solving

Abstraction

Concepts of Simultaneity and Endogeneity

Analysis of Optimisation

Understanding of Uncertainty and Incomplete Information

## Transferable skills

Numeracy and Quantitative skills

Written communication

Mathematical, Statistical, data-based research skills

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## Study

## Study time

Type	Required
Lectures	60 sessions of 1 hour (17%)
Seminars	30 sessions of 1 hour (9%)
Private study	260 hours (74%)
Total	350 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 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.

### Assessment group D5

	Weighting	Study time	Eligible for self-certification
In class test	20%		No
In class test	20%		No
In Department Exam	60%		No

A paper which examines the course content and ensures learning outcomes are achieved.

### Assessment group R1

	Weighting	Study time	Eligible for self-certification
In Department Exam	100%		No

A paper which examines the course content and ensures learning outcomes are achieved.

## 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 Department of Economics Postgraduate 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 EC9A1](#)

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## Availability

### Courses

This module is Core for:

- TECA-L1PL in Economics (Master of Research plus PhD)
  - Year 1 of L1PN Advanced Economics
  - Year 1 of L1PO Advanced Economics
  - Year 1 of L1PP Advanced Economics
  - Year 1 of L1PL Economics (Master of Research)