## KentVision Code and title of the module

ECON8250 Microeconometrics

## Division and School/Department or partner institution which will be responsible for management of the module

School of Economics, Division of Human and Social Sciences

## The level of the module (Level 4, Level 5, Level 6 or Level 7)

Level 7

## The number of credits and the ECTS value which the module represents

15 credits (7.5 ECTS)

## Which term(s) the module is to be taught in (or other teaching pattern)

Spring

## Prerequisite and co-requisite modules and/or any module restrictions

ECON8210 Econometric Methods

## The course(s) of study to which the module contributes

***Compulsory to the following courses:***

* MSc in Economics and Econometrics

***Optional to the following courses:***

* MSc Economics
* MSc Development Economics

## The intended subject specific learning outcomes. On successfully completing the module students will be able to:

8.1 Have a general and comprehensive understanding of econometric techniques used in with cross-section and panel data

8.2 Critically approach reading and interpretation of their own applied microeconomic analyses

8.3 Analyse complex economic relationships using the real-life data, estimate state of art models on these data and generate sharp predictions and convincing arguments about the relationships in question

8.4 Communicate effectively with educated audience on the applied microeconometric work by a variety of methods.

## The intended generic learning outcomes. On successfully completing the module students will be able to:

9.1 Acquire the ability to undertake complex and comprehensive empirical modelling of micro economic behaviour through the use of advanced statistical software

9.2 Develop numeracy and problem solving skills from the interpretation and manipulation of empirical economic models at high level of abstraction

9.3 Creatively present economic arguments drawing on innovative practices.

## A synopsis of the curriculum

Empirical evaluation of microeconomic models is crucial to the study and application of economics. The empirical evaluation of economic models based on the analysis of individual behaviour at the micro level often requires special econometric techniques either due to the nature of the explanatory variables or the non-randomness of the sample design. The module introduces students to the main empirical strategies for causal inference. The module will cover identification based on observables, randomized control trials, difference-in-differences, instrumental variables and regression discontinuity design. The students will use an econometric software in the analysis of data and estimations.

## Reading list

The University is committed to ensuring that core reading materials are in accessible electronic format in line with the Kent Inclusive Practices.

The most up to date reading list for each module can be found on the university's [reading list pages](https://kent.rl.talis.com/index.html).

## Contact Hours

Private Study: 117

Contact Hours: 33

Total: 150

## Assessment methods

* 1. Main assessment methods

Take home test (40%)

Examination (2 hours) (60%)

13.2 Reassessment methods

100% examination

## Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section 12) and methods of assessment (section 13)

**Module learning outcomes against learning and teaching methods:**

| **Module learning outcome** | **8.1** | **8.2** | **8.3** | **8.4** | **9.1** | **9.2** | **9.3** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Lecture | **X** | **X** |  |  |  | **X** | **X** |
| Seminar | **X** | **X** | **X** |  | **X** | **X** | **X** |
| Private Study | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

**Module learning outcomes against assessment methods:**

| **Module learning outcome** | **8.1** | **8.2** | **8.3** | **8.4** | **9.1** | **9.2** | **9.3** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Take home test | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Examination | **X** | **X** | **X** | **X** | **X** | **X** | **X** |

## Inclusive module design

The Division recognises and has embedded the expectations of current equality legislation, by ensuring that the module is as accessible as possible by design. Additional alternative arrangements for students with Inclusive Learning Plans (ILPs)/declared disabilities will be made on an individual basis, in consultation with the relevant policies and support services.

The inclusive practices in the guidance (see Annex B Appendix A) have been considered in order to support all students in the following areas:

a) Accessible resources and curriculum

b) Learning, teaching and assessment methods

## Campus(es) or centre(s) where module will be delivered

Canterbury

## Internationalisation

The subject content is general and methodology-based, but the applications considered in journal articles and examples have an international context (eg. field experiments in developing countries). Moreover, the key data source used in the computer sessions is the European Social Survey that includes data from 22 countries. Applications and comparison cross-countries will be drawn.

**DIVISIONAL USE ONLY**

**Module record – all revisions must be recorded in the grid and full details of the change retained in the appropriate committee records.**

| Date approved | New/Major/Minor revision | Start date of delivery of (revised) version | Section revised (if applicable) | Impacts PLOs (Q6 & 7 cover sheet) |
| --- | --- | --- | --- | --- |
| 05.05.22 | Major | Sep 22 | 13.1, 14 | No |
| 09.10.22 | Minor | Sep 23 | 8.4 | No |