## KentVision Code and title of the module

ECON8210 Econometric Methods

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

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 (7.5 ECTS)

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

Autumn or Spring

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

None

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

#### Compulsory to the following courses:

* MSc in Economics
* MSc in Development Economics
* MSc in Financial Economics

#### Optional to the following courses:

* None

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

8.1 Critically understand advanced economic theory and quantitative methods at high level of generalization and apply them to a range of economic questions.

8.2 Perform and interpret the results of advanced specification tests

8.3 Evaluate model adequacy using comprehensive diagnostic tests and alternative innovative criteria

8.4 Utilise appropriate software to undertake advanced level practical work and be able to describe and explain the relevant processes

8.5 Critically interpret the empirical economic research of others and identify gaps and controversial questions in the existing empirical literature

8.6 Analyse and report in writing on own and others’ empirical economic results. Identify appropriate economic models to analyse complex economic problems.

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

9.1 Develop their ability to utilize modern computing resources to access and acquire data from all available sources.

9.2 Enhance the ability to reason at a high level of abstraction

9.3 Develop and reinforce skills in numeracy and problem solving through manipulation of complex quantitative models

9.4 Improve their skills in communication and the ability to rigorously present economic arguments to a critical educated audience

## A synopsis of the curriculum

This module studies basic econometric techniques. An intuitive and practical learning style will be used in order to develop participants understanding and ability to apply these econometric methods. Participants will develop an understanding of the conventional linear regression model in cross section, time series and panel data. The module focuses on the application of econometric methods, with little emphasis on the mathematical aspects of the subject. A computer software package will be used for practical work throughout this module, both as a means to provide applications of the theory developed in lectures as well as to give experience in the use of such software for participants own empirical research. No previous knowledge of computing or econometrics is required.

## 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

ICT 1 - 10%

ICT 2 – 10%

Computer based Project – 20%

Exam (2 hours) – 60%

* 1. Reassessment methods

Exam – 100%

## Map of module learning outcomes (sections 8 & 9) to learning and teaching methods 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 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 | 9.4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Private Study | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Seminars | **x** | **x** | **x** | **x** |  |  | **x** | **x** | **x** |  |
| Lectures | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

**Module learning outcomes against assessment methods:**

| Module learning outcome | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 | 9.4 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ICT 1 |  | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| ICT 2 |  | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Computer-Based Project | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Exam | **x** | **x** | **x** | **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

This module will utilise international data sets for coursework.

**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) |
| --- | --- | --- | --- | --- |
| 20/06/2018 | Major | September 2019 | 1, 7, 9, 10, 11, 12, 13, 14, 17 |  |
| 15/03/2021 | Minor | September 2021 | 13, 14 | No |
| 15/12/2022 | Major | September 2023 | 8, 13 | No |