1. **Title of the module**

ECON8250 Microeconometrics

1. **School or partner institution which will be responsible for management of the module**

School of Economics

1. **The level of the module (Level 4, Level 5, Level 6 or Level 7)**

Level 7

1. **The number of credits and the ECTS value which the module represents**

15 Credits (7.5 ECTS)

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

Spring

1. **Prerequisite and co-requisite modules**

Prerequisite:

ECON8210 - Econometric Methods

1. **The programmes of study to which the module contributes**

This is a compulsory module for the:

* MSc in Economics and Econometrics

and optional module for

* MSc Economics
* MSc Development Economics
1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**
	1. have a general and comprehensive understanding of econometric techniques used in with cross-section and panel data
	2. critically approach reading and interpretation of their own applied microeconomic analyses
	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
	4. communicate effectively with educated audience on the applied microeconometric work in writing and verbally
2. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
	1. acquire the ability to undertake complex and comprehensive empirical modelling of micro economic behaviour through the use of advanced statistical software
	2. develop numeracy and problem solving skills from the interpretation and manipulation of empirical economic models at high level of abstraction
	3. creatively present economic arguments drawing on innovative practices
3. **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.

1. **Reading list (Indicative list, current at time of publication. Reading lists will be published annually)**

*Core reading*

* Pischke, Jörn-Steffen and Joshua Angrist. Mostly Harmless Econometrics: An Empiricist's Companion. 1st Edition. Princeton University Press, 2008.

*Recommended reading*

* Imbens, Guido, and Jeffrey Wooldridge. What’s New in Econometrics? NBER Summer Course, 2007.
* Pischke, Jörn-Steffen and Joshua Angrist. Mastering 'Metrics: The Path from Cause to Effect. Princeton University Press, 2015.
* Woolridge, Jeffrey. Econometric Analysis of Cross-Section and Panel Data. 2nd Edition. MIT Press, 2010.

Additional reading takes form in articles published in journals such as *American Economic Journal, American Economic Review, American Political Science Review, Journal of Economic Literature* and *Quarterly Journal of Economics.*

1. **Learning and teaching methods**

*Total contact hours: 33*

*Private study hours: 117*

*Total study hours: 150*

1. **Assessment methods**
	1. Main assessment methods

Report (2000 words): 20%

In Course Test (60 minutes): 20%

Examination (2 hours): 60%

13.2 Reassessment methods

Reassessment Method: 100% Exam

1. ***Map of module learning outcomes (sections 8 & 9) to learning and teaching methods (section12) and methods of assessment (section 13)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Module learning outcome** | *8.1* | *8.2* | *8.3* | *8.4* | *9.1* | *9.2* | *9.3* |
| **Learning/ teaching method** |  |  |  |  |  |  |  |
| **Private Study** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *Lecture* | **x** | **x** |  |  |  | **x** | **x** |
| *Seminar* | **x** | **x** | **x** |  | **x** | **x** | **x** |
| *Private study* | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| **Assessment method** |  |  |  |  |  |  |  |
| *Report* | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| *In-Course Test* |  |  | **x** | **x** |  | **x** | **x** |
| *Examination* | **x** | **x** | **x** | **x** |  | **x** | **x** |

1. **Inclusive module design**

The School 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:

1. Accessible resources and curriculum

b) Learning, teaching and assessment methods

1. **Campus(es) or centre(s) where module will be delivered**

Canterbury

1. **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.

**FACULTIES SUPPORT OFFICE USE ONLY**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date approved | Major/minor revision | Start date of the delivery of revised version | Section revised | Impacts PLOs (Q6&7 cover sheet) |
| 20/06/2018 | Major | January 2020 | 8, 10, 11, 13, 14, 17 |  |
|  |  |  |  |  |

Revised FSO Jan 2018