1. **Title of the module**

ECON8370 (EC837): Applied Econometrics for Business and Economic Development

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**

Co-requisite: ECON8350 (EC835) Quantitative Methods for Economists

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

MSc in Applied Economics and International Development - required

MSc in International Business and Economic Development - required

1. **The intended subject specific learning outcomes.
On successfully completing the module students will be able to:**
	1. Critically understand of the nature of econometric models
	2. Abstract the essential features of an econometric issue or problem
	3. Have developed the analytical skills that allow students to formulate and consider a range of econometric problems and issues.
	4. Apply econometric software to business and economic data
	5. Perform and critically evaluate model adequacy using relevant diagnostic and specification tests
	6. Be critical in the interpretation and evaluation of their own empirical research and that of others in the areas of business and economic development
2. **The intended generic learning outcomes.
On successfully completing the module students will be able to:**
	1. Utilise modern computing resources to access and acquire data from the internet (and other available sources) and utilise standard Office based PC software (currently Microsoft) to generate written reports and undertake oral presentations
	2. Address problems quantitatively and to undertake empirical modelling of business and economic behaviour through widely available statistical software
	3. Have developed numeracy and problem solving skills from the interpretation and manipulation of empirical models
	4. Effectively communicate, both verbally as well as in written form, presenting business and economic arguments
	5. Work independently and as part of a team
3. **A synopsis of the curriculum**

The ability to apply econometric methods is an essential part of modern postgraduate degree training in economics. This module contributes to the achievement of these subject specific skills by providing an introduction to common issues and related econometric techniques relevant to the empirical evaluation and analysis of data pertinent to the fields of international business and economic development.

The module is approached in a practical way that focuses on the application and interpretation of econometric techniques to business and economic data, with less emphasis on the statistical theory aspects of the subject. This approach ensures that students gain knowledge and experience in using suitable computer software to undertake business and economic research, and to understand empirical relationships which occur in other MSc modules and which they will investigate in their research dissertation.

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

The syllabus for the module is covered adequately by many textbooks.

The core text for this module is:

* Wooldridge, J.M., 2013, Introductory Econometrics – A Modern Approach, South-

 Western, 5th edition (International Student Edition).

* Damodar Gujurati, Econometrics by Example, Palgrave Macmillan, 2011

Additional texts which will be consulted include:

* Davis, G. & Pecar, B. (2013), Business Statistics using EXCEL, 2nd Edition, OUP.
* Kennedy, P., 2008, A Guide to Econometrics, 6th edition, Wiley.
* Maddala, G. (2009), Introduction to Econometrics, 4th Edition, Wiley.
* Studenmund, A. (2011), Using Econometrics: A Practical Guide, 6th Edition, Pearson.
* Thomas, R.L. (1996), Modern Econometrics: An Introduction, Addison-Wesley.
1. **Learning and teaching methods**

Total contact hours: 36

Private study hours: 114

Total study hours: 150

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

PC Based Report (1500 words) (20%)

In Course Test, (1 hour) (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 | 8.5 | 8.6 | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 |
| **Learning/ teaching method** |  |  |  |  |  |  |  |  |  |  |  |
| Private Study | x | x | x | x | x | x | x | x | x | x | x |
| Lectures | x | x | x |  | x |  | x |  | x |  |  |
| Seminars | x | x | x | x | x | x | x | x | x | x | x |
| **Assessment method** |  |  |  |  |  |  |  |  |  |  |  |
| PC Based Report | x | x | x | x | x | x | x | x | x | x | x |
| In Course Test | x | x | x |  |  | x |  |  | x | x | x |
| Exam  | x | x | x | x | 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:

a) 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 module will utilize international data sets for coursework

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**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) |
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Revised FSO Jan 2018