ECON2007 - Quantitative Economics and Econometrics

Terms 1 & 2

Aims:

To provide students with a thorough understanding of core techniques of quantitative economics and econometrics and their application to test economic theories and measure magnitudes relevant for economic policy and other decisions, as a foundation for subsequent study of quantitative topics within the degree programme, and as one of the key elements in the professional training of an economist.

Objectives:

At the end of the module, students should:

- Understand the main techniques of quantitative economics and econometrics, including their strengths and limitations, at a level appropriate for an economics graduate
- Understand how these techniques can be applied to test economic theories and measure economic magnitudes, and have some knowledge of methods and results in selected areas of the applied economics literature
- Have some practical experience of the application of econometric methods based on practical laboratory exercises and experience

Taught by:	Sorawoot Srisuma (http://www.ucl.ac.uk/economics/people/Visitors/srisuma) (Term 1) and Pedro Carneiro (http://www.ucl.ac.uk/economics/degree-courses/undergraduate/course-list2010/../../../../../people/academic/carneiro) (Term 2)
Assessment:	The course comprises a total of 40 hours of lectures in all (20 in each term), 10 practical sessions (5 per term) and 16 compulsory smaller-group tutorial/practical classes with accompanying exercises (8 per term). In Term 2 the course intensifies some of the material covered in Term 1 and introduces further topics and applications. There will be a single 3-hour unseen written examination for the whole course in Term 3.Compulsory for 2nd year Economics (L100) and 3rd year Econ/Stats (LG13) students. Can be taken by 2nd or 3rd year Phil/Econ (VL51) and 3rd year Econ/Geog (LL17) and Math/Econ (G1L1 and G1LC) students.
Suitable for:	Compulsory for 2nd year Economics (L100) and 3rd year Econ/Stats (LG13) students. Can be taken by 2nd or 3rd year Phil/Econ (VL51) and 3rd year Econ/Geog (LL17) and Math/Econ (G1L1 and G1LC) students.
Prerequisites:	Econ ECON 1001: Economics, ECON 1002: Applied Economics and STAT 6202: Introductory Statistical Methods (or equivalents).
Moodle page:	ECON2007 (http://moodle.ucl.ac.uk/course/view.php?id=6951)

For Affiliates:

ECON2008 - Quantitative Economics and Econometrics I

Aims:

To provide students with a thorough understanding of core techniques of quantitative economics and econometrics and their application to test economic theories and measure magnitudes relevant for economic policy and other decisions, as a foundation for subsequent study of quantitative topics within the degree programme, and as one of the key elements in the professional training of an economist.

Objectives:

At the end of the module, students should:

- Understand the main techniques of quantitative economics and econometrics, including their strengths and limitations, at a level appropriate for an economics graduate
- Understand how these techniques can be applied to test economic theories and measure economic magnitudes, and have some knowledge of methods and results in selected areas of the applied economics literature
- Have some practical experience of the application of econometric methods based on practical laboratory exercises and experience

Taught by:	Pedro Carneiro (http://www.ucl.ac.uk/economics/degree-courses/undergraduate/course-list2010/../../../../../people/academic/carneiro) , TBA
Assessment:	The course has 3 hours of lectures per week plus 8 compulsory smaller-group tutorial/practical classes with accompanying exercises. Assessment will be by a single 2-hour written examination at the end of Term 1.
Suitable for:	This course is only open to students leaving in December; Full Year students should see ECON2007. Students may take ECON2008 with the permission of the Affiliate Student Tutor but are advised to check with their home university that the single term option will fulfil the requirements of their home degree program.
Prerequisites:	Introductory Calculus Introductory Statistics
Moodle page:	ECON2007 (http://moodle.ucl.ac.uk/course/view.php?id=6951)