Project

Module Code: ECO00033M  Credits: 10  Term: End of Term 1 & term 2

Contact Hours: 7 Lectures (one introduction and 6 case studies), 6 Laboratory Sessions (15 contact hours including supervision)

Module Organiser: Professor Y. Shin

Overview:

This module is designed to help you with the transition from student course work to becoming an active applied researcher especially with a view to strengthening the skills that you will need for writing an applied econometric dissertation at the end of the MSc course work programme.

Aims:

- to instruct you how to use the various types of data sources that are available to you, both electronically and through libraries;
- through case studies to show you how to apply econometric analysis to estimate the parameters of various economic models and to test various economic hypotheses;
- to give you practical experience in formulating, estimating and testing a particular model and in writing up your results.

Objectives:

On completing the module a student will:

- know how to access and transfer the main UK time series and cross sectional data sets electronically;
- know how to access and use a selection of econometric packages;
- appreciate how to use economic theory and econometrics to develop empirical models in applied fields;
- know how to evaluate models;
- have undertaken a study of your own and written up the results.

Assessment:

Assessment is by a written project that has to be submitted to the Economics Graduate Office by the end of week 1 of the Summer Term.

Following six lectures and six labs, the students will select one of 6 topics and the data sets covered, and submit the written project by the end of the first week of the Summer Term, that forms the basis for the assessment of the unit. Students are also allowed to select the
topic and collect the dataset themselves. (In this case you must discuss it with one of
lecturers by the end of week 4 in Term 2.) The word limit of the project is about 3000.
Further assistance will be provided by the weekly supervision by the lecturers during the
latter part of Term 2.

Pre-requisites:

Econometrics 1 & 2 (ECO00047M) or Econometrics 1 (ECO00013M) and Applied
Microeconometrics (ECO00005M) or Econometric Methods for Research (ECO00044M).

Main References:

For the microeconometric theory and Stata programming:

Colin Cameron and Pravin K. Trivedi (2005) Microeconometrics: Methods and Applications,
Cambridge University Press


Wooldridge J.M. (2002) Econometric Analysis of Cross Section and Panel Data,
Massachusetts Institute of Technology

For the macro and time-series econometric theory:

Hamilton, J., Time Series Analysis, Princeton, 1994,


The reading mainly consists of papers related to the six case studies. Below is a list of
background references for each case. Additional topics and references may be provided in
VLE.

Returns to education

a New Sample of Twins, American Economic Review, 84(5), pp. 1157- 73.


by L. Christophides, K. Grant, and R. Swidinsky, Toronto, Canada: University of Toronto Press
pp 201-222. (also available as NBER Working Paper No. 4483:
http://www.nber.org/papers/w4483)

**Job satisfaction**


**Female labour supply**


**Asymmetric Pass-through of the Gasoline Prices: Rockets and Feathers**


**Spot and Forward Exchange Rates: A Cointegration Approach**


**The PPP Puzzle: the Cointegrating VAR approach**


