Applied Microeconometrics

Module Code: ECO00005M  Credits: 10  Term: 2
Contact Hours: 9 two-hour Lectures, 6 one-hour seminars (24 contact hours)
Module Organiser: Professor Cheti Nicoletti

Overview:

The module will cover the following topics: endogeneity, linear panel data models; binary choices models; multiple choices models; censored and truncated models; count data models and quantile regression. Applied empirical examples will be provided.

Aims:

Given the extensive use of individual/household data sources in applied microeconomic analysis, it has become increasingly important to understand the techniques available to the microeconometrician in applied research. Moreover, it is just as important to be aware of the limitations and pitfalls associated with each microeconometric technique. The purpose of this module is to provide the applied economist with sufficient background of modern microeconometrics to choose techniques suited both to the data and to the economic model. Also, the lectures provide the opportunity to have practical experience of relevant computer software applied to empirical datasets.

Objectives:

On completing the module a student should be able to:

- choose econometric models which are suitable, both to the data and to the economics models
- understand econometric methods of estimation and inference for limited dependent variables and panel data models
- estimate the model and be able to interpret the estimation results, using appropriate software

Assessment:

There is a two-hour unseen examination scheduled for the Summer Term.

Pre-requisites:

Econometric Methods for Research (ECO00044M) or Econometrics 1 (ECO00013M)

Main References:


More detailed references will be given in the course outline and reading lists.