ECOM90013 Econometric Techniques

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Four hours of lectures/seminars/tutorials per week (this includes 3 hours of lectures and a one hour tutorial). Total Time Commitment: Estimated total time commitment of 120 hours per semester
Prerequisites:	ECOM90002 Econometrics or equivalent.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	ECOM40006 Econometric Techniques
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements for this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	Estimation and inference techniques for models involving a single equation and systems of equations are introduced. Normally topics include asymptotic theory, maximum likelihood estimation, classical testing procedures, generalised least squares estimation, seemingly unrelated regression models, stochastic regressors, instrumental variables, generalised method of moments, simultaneous equations models (including VARs) and model-selection procedures.
Learning Outcomes:	**On successful completion of this subject students should be able to:** # Investigate the characteristics of data that influence the choice of model and estimation technique for modelling and estimating economic relationships. # Apply suitable estimation techniques to a range of economic and econometric models, interpret the results from these models, and use the results for forecasting and policy analysis.

Subject	Study Period Commencement:	Credit Points:
ECOM90002 Econometrics	Semester 1	12.50

Subject	Study Period Commencement:	Credit Points:
ECOM40006 Econometric Techniques	Semester 1	12.50

	# Describe the theory underlying inference techniques used in econometrics.
Assessment:	2-hour examination, end of semester (70%); Three 1000-word assignments all equally weighted (10%) due in weeks 5,9 and 12 (30%).
Prescribed Texts:	You will be advised of prescribed texts by your lecturer.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On successful completion of this subject, students should have improved the following generic skills: # Evaluation of ideas, views and evidence # Synthesis of ideas, views and evidence # Critical thinking # Application of theory to economic policy and business decision making # Accessing economic and other information # Summary and interpretation of information # Application of Windows software # Using and designing computer programs # Statistical reasoning # Problem solving skills # Collaborative learning and teamwork # Written communication
Notes:	Students may not gain credit for both ECOM90013 Econometric Techniques and ECOM40006 Econometric Techniques.
Related Course(s):	Doctor of Philosophy - Business and Economics Master of Commerce (Accounting) Master of Commerce (Finance) Master of Economics