ECOM90013 Econometric Techniques

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Three hours of classes per week plus three hours ofseminars during the semester Total Time Commitment: Estimated total time commitment of 120 hours per semester
Prerequisites:	**316-636 Econometrics (/view/2010/316-636)** or equivalent
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	**316-470 Econometric Techniques (/view/2010/316-470)**
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/
Coordinator:	Assoc Prof David Harris
Contact:	Graduate School of Business and Economics Student Centre Level 4, 198 Berkeley Street Telephone: +61 3 8344 1670 Online Enquiries: **http://www.gsbe.unimelb.edu.au/future/unity_forms/contact.html (http://www.gsbe.unimelb.edu.au/future/unity_forms/contact.html/)** Web: **www.melbournegsm.unimelb.edu.au (http://www.gsbe.unimelb.edu.au/)**
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.
Objectives:	On successful completion of this subject students should be able to: # Apply maximum likelihood based statistical inference to a range of econometric models, # Describe the optimality properties of maximum likelihood inference and the underlying assumptions, # Conduct a small applied econometric study.
Assessment:	3-hour end-of-semester examination (70%)Class assignments totalling not more than 5000 words (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 # Strategic thinking # 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 # Negotiation and bargaining # Written communication # Oral communication
Notes:	Students may not gain credit for both 316-678 Econometric Techniques and 316-470 Econometric Techniques.
Related Course(s):	Master of Commerce - Economics Master of Commerce - Finance Master of Economics