ECOM40006 Econometric Techniques

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	2013, 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: Not available
Prerequisites:	Admission into BH-COM or BH-ARTS (Economics) and

Subject	Study Period Commencement:	Credit Points:
ECOM30002 Econometrics	Not offered 2013	12.50

Corequisites:	None
Recommended Background Knowledge:	Please refer to Prerequisites and Corequisites.
Non Allowed Subjects:	Students may not gain credit for both **ECOM40006 Econometric Techniques (../../view/current/ecom40006)** and **ECOM90013 Econometric Techniques (../../view/current/ecom90013)** .
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:	Prof Bill Griffiths
Contact:	**b.griffiths@unimelb.edu.au (mailto:b.griffiths@unimelb.edu.au)**
Subject Overview:	This subject introduces appropriate estimation and inference techniques for models that involve a single equation and those involving systems of equations. Normally topics will include asymtotic theory, maximum likelihood estimation, classical testing procedures, generalised least squares estimation, seemingly unrelated regression models, stochastic regressors, instrumental variables, generalised methods of moments, simultaneous equations models (including VARs) and model-selection procedures.
Objectives:	# 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:	A 3-hour end-of-semester examination (70%) and class assignments up to 40 pages (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:	# High level of development: written communication; problem solving; statistical reasoning; application of theory to practice; interpretation and analysis; critical thinking; synthesis of data and other information; evaluation of data and other information; use of computer software; accessing data and other information from a range of sources; receptiveness to alternative ideas. # Some level of development: collaborative learning; team work.
Related Course(s):	Master of Economics Postgraduate Diploma In Economics
Related Majors/Minors/ Specialisations:	Economics