

ECOM40006 Econometric Techniques

Credit Points:	12.5								
Level:	4 (Undergraduate)								
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: Not available								
Prerequisites:	Admission into BH-COM, BH-ARTS (Economics), Graduate Diploma in Economics or Master of Economics OR <table><tr><td>Subject</td><td>Study Period Commencement:</td><td>Credit Points:</td></tr><tr><td>ECOM30002 Econometrics</td><td>Semester 1</td><td>12.50</td></tr></table>			Subject	Study Period Commencement:	Credit Points:	ECOM30002 Econometrics	Semester 1	12.50
Subject	Study Period Commencement:	Credit Points:							
ECOM30002 Econometrics	Semester 1	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:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p>								
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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 asymptotic 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.								
Learning Outcomes:	On successful completion of this subject students should be able to: <ul style="list-style-type: none"># 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.# Describe the theory underlying inference techniques used in econometrics.								

Assessment:	2-hour end of semester examination (70%) Tutorial participation (5%) Three 833-word assignments all equally weighted due in weeks 5, 9 and 12 (25%)
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:	<p>On successful completion of this subject, students should have improved the following generic skills:</p> <ul style="list-style-type: none"> # 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
Related Course(s):	Graduate Diploma in Economics Master of Economics
Related Majors/Minors/ Specialisations:	Economics