

316-654 Advanced Econometric Techniques

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Seminars or lectures and tutorials totalling three hours per week (Semester 1). Total Time Commitment: Not available
Prerequisites:	316-470 Econometric Techniques or equivalent.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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>
Coordinator:	Professor V Martin
Subject Overview:	To focus on both theory and applications of modern econometric practice. Normally topics will include: linear algebra used in econometrics, linear models, nonlinear models, systems of equations, generalized least squares, maximum likelihood estimation, instrumental variable and generalized method of moments, resampling methods, simulation methods, methods for the analysis of panel data and other topics. A number of computer packages are used including: GAUSS, Stata, SAS, Eviews, and Scientific Word. The application of these programs is covered in weekly tutorials.
Assessment:	One 2-hour examination (60%), a 1-hour mid-term examination (20%) and empirical class assignments (20%).
Prescribed Texts:	None
Recommended Texts:	Greene, W. Econometric Analysis, 4th ed., 2000.
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 be able to:</p> <ul style="list-style-type: none"> # Critically evaluate current econometric research published in the top ranking international economic and econometric journals; # Reproduce existing econometric research; # Identify the key arguments and strategies underlying current and existing econometric research. <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;

	<ul style="list-style-type: none"># Synthesis of ideas, views and evidence;# Critical thinking;# Application of software to write computer programs to perform a series of steps;# Statistical reasoning;# Problem solving skills;# Written and oral communication.
Related Course(s):	Master of Commerce - Economics