

# ECOM30002 Econometrics

<b>Credit Points:</b>	12.5																								
<b>Level:</b>	3 (Undergraduate)																								
<b>Dates &amp; Locations:</b>	2016, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.																								
<b>Time Commitment:</b>	Contact Hours: Two 1-hour lectures and a 1-hour tutorial/practice class per week Total Time Commitment: Estimated total time commitment of at least 170 hours.																								
<b>Prerequisites:</b>	<p>One of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ECOM20001 Introductory Econometrics</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>ECOM30001 Basic Econometrics</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>MAST20005 Statistics</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>or a grade of H2A or above in <b>ECON20003 Quantitative Methods 2</b> (<a href="#">../view/current/econ20003</a>) ,</p> <p>AND one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ECON20001 Intermediate Macroeconomics</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>ECON20002 Intermediate Microeconomics</td> <td>Summer Term, Semester 1</td> <td>12.50</td> </tr> <tr> <td>FNCE20001 Business Finance</td> <td>January, Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ECOM20001 Introductory Econometrics	Semester 1, Semester 2	12.50	ECOM30001 Basic Econometrics	Semester 1	12.50	MAST20005 Statistics	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	ECON20001 Intermediate Macroeconomics	Semester 2	12.50	ECON20002 Intermediate Microeconomics	Summer Term, Semester 1	12.50	FNCE20001 Business Finance	January, Semester 1, Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:																							
ECOM20001 Introductory Econometrics	Semester 1, Semester 2	12.50																							
ECOM30001 Basic Econometrics	Semester 1	12.50																							
MAST20005 Statistics	Semester 2	12.50																							
Subject	Study Period Commencement:	Credit Points:																							
ECON20001 Intermediate Macroeconomics	Semester 2	12.50																							
ECON20002 Intermediate Microeconomics	Summer Term, Semester 1	12.50																							
FNCE20001 Business Finance	January, Semester 1, Semester 2	12.50																							
<b>Corequisites:</b>	None																								
<b>Recommended Background Knowledge:</b>	Please refer to Prerequisites and Corequisites.																								
<b>Non Allowed Subjects:</b>	None																								
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>																								
<b>Coordinator:</b>	Prof David Harris																								
<b>Contact:</b>	David Harris <a href="mailto:Harris.D@unimelb.edu.au">Harris.D@unimelb.edu.au</a> (mailto:Harris.D@unimelb.edu.au)																								

<b>Subject Overview:</b>	Extensions of the multiple regression model are examined. Topics include non-linear least squares, maximum likelihood estimation and related testing procedures, generalised least squares, heteroskedasticity, autocorrelation and models with stochastic regressors. Limited dependent variable and panel data models and issues involving time-series data are introduced. Theoretical concepts are illustrated by applied examples. The computer software used is <i>Eviews</i> .
<b>Learning Outcomes:</b>	Information not available.
<b>Assessment:</b>	A 2-hour end-of-semester examination (65%) A group project totalling 2000 words due week 9 (20%) Four homework tasks due weeks 3, 4, 5 and 6 (10%) A mid-semester test week 7 (5%)
<b>Prescribed Texts:</b>	You will be advised of prescribed texts by your lecturer.
<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2016/B-ARTS">https://handbook.unimelb.edu.au/view/2016/B-ARTS</a>)</li> <li># <b>Bachelor of Biomedicine</b> (<a href="https://handbook.unimelb.edu.au/view/2016/B-BMED">https://handbook.unimelb.edu.au/view/2016/B-BMED</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2016/B-ENVS">https://handbook.unimelb.edu.au/view/2016/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2016/B-MUS">https://handbook.unimelb.edu.au/view/2016/B-MUS</a>)</li> <li># <b>Bachelor of Science</b> (<a href="https://handbook.unimelb.edu.au/view/2016/B-SCI">https://handbook.unimelb.edu.au/view/2016/B-SCI</a>)</li> <li># <b>Bachelor of Engineering</b> (<a href="https://handbook.unimelb.edu.au/view/2016/B-ENG">https://handbook.unimelb.edu.au/view/2016/B-ENG</a>)</li> </ul> <p>You should visit <b>learn more about breadth subjects</b> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<ul style="list-style-type: none"> <li># High level of development: problem solving; statistical reasoning; application of theory to practice; interpretation and analysis; evaluation of data and other information; use of computer software.</li> <li># Moderate level of development: written communication; collaborative learning; team work; critical thinking; synthesis of data and other information.</li> <li># Some level of development: accessing data and other information from a range of sources.</li> </ul>
<b>Related Course(s):</b>	Graduate Diploma in Economics Master of Economics
<b>Related Majors/Minors/Specialisations:</b>	Economics Economics