

316-130 Quantitative Methods 1

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: Two 1-hour lectures and a 1-hour tutorial per week Total Time Commitment: Not available
Prerequisites:	A study score of at least 25 in English (any) or equivalent and Mathematical Methods in VCE Units 3 & 4 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:	Prof B Griffiths, Dr R Dixon
Subject Overview:	This subject covers the core concepts which underpin quantitative decision analysis in the various specialisations within the faculty. It provides a foundation for all second-year quantitative subjects in the commerce degree. The topics covered are financial mathematics; measures of location and dispersion; probability, random variables and expected values; sampling design; estimation and testing using the normal and t-distribution; and simple regression and correlation. Excel is used to illustrate applications in accounting, economics, finance, management and marketing.
Assessment:	A 2-hour end-of-semester examination (70%) and assignments not exceeding 3000 words (30%).
Prescribed Texts:	Prescribed Texts:To be advised.
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # Bachelor of Arts # Bachelor of Environments # Bachelor of Music <p>You should visit learn more about breadth subjects (http://breadth.unimelb.edu.au/breadth/info/index.html) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# High level of development: problem solving; statistical reasoning; application of theory to practice; interpretation and analysis; synthesis of data and other information; evaluation of

	<p>data and other information; use of computer software; accessing data and other information from a range of sources.</p> <p># Moderate level of development: oral communication; written communication; critical thinking; receptiveness to alternative ideas.</p> <p># Some level of development: collaborative learning; team work.</p>
Notes:	<p>Students completing 316-130 Quantitative Methods I may not get credit for the following subjects: (1) 620-160 Experimental Design and Data Analysis, (2) 620-XXX Statistical Thinking and Quantitative Research I, (3) 620-XXX Data Analysis for Scientists and (4) any University breadth subject on Data Analysis.</p> <p>Students who have previously taken 620-202 Statistics (/view/2008/620-202) are ineligible to obtain credit for 316-130.</p>
Related Course(s):	<p>Bachelor of Agricultural Science/Bachelor of Commerce Bachelor of Agriculture and Bachelor of Commerce Bachelor of Arts Bachelor of Engineering (Mechanical & Manufacturing)/Bachelor of Commerce Bachelor of Information Systems Bachelor of Music and Bachelor of Commerce Graduate Diploma in Economics</p>