481-813 Quantitative Methods

Credit Points:	25.00
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus. Parkville campus
Time Commitment:	Contact Hours: 36 hours. Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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. 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
Coordinator:	Assoc Prof Margaret L Wu
Subject Overview:	An examination of various methods of collection, display and analysis of quantitative data. Topics include: design of quantitative research programs; survey design; experimental and quasi-experimental designs; development and testing of questionnaires and other data collection instruments; item selection, reliability and validity of construct measures; exploratory and statistical analysis including multi-variate techniques; methods for displaying and reporting analyses of quantitative data for various audiences. The subject emphasises the use of standard statistical analysis and involves the parallel development of computing skills and non-mathematical understanding of quantitative approaches.
Assessment:	Three exercises of 1,500 words (50 per cent) and an exercise of 3,500 words (50 per cent).
Prescribed Texts:	None
Recommended Texts:	Coladarci, T., Cobb, C.D., Minium, E.W., and Clarke, R.B. (2008) Fundamentals of Statistical Researching in Education. John Wiley and Sons, N.J. USA.
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:	Students who successfully complete the subject will: # have basic skills in the collection, analysis and reporting of quantitative data; # be aware of the major issues in the design and application of instruments for the collection of quantitative data; # be capable of using a range of simple procedures in a computer package for statistical analysis and reporting of quantitative information. Generic Skills: Students who successfully complete the subject will:

	# have a good understanding of the appropriate contexts for the use of quantitative methods; # have improved generic computer skills; # have improved skills in the simple manipulation and reporting of statistical data.
Links to further information:	www.education.unimelb.edu.au
Related Course(s):	Doctor Of Education Doctor of Education Master of Assessment and Evaluation (Stream 100A) Coursework and ThesisA Master of Assessment and Evaluation (Stream 100B) Coursework Master of Assessment and Evaluation (Stream 150A) Coursework & Thesis A Master of Assessment and Evaluation (Stream 150B) Coursework Master of Assessment and Evaluation(Stream 150)Coursework & Major Thesis Master of Education (Stream 100A) Coursework and Thesis A Master of Education (Stream 100B)Coursework Master of Education (Stream 150) Major Thesis Master of Education (Stream 150A) Coursework and Thesis A Master of Education (Stream 150B) Coursework