

## EDUC90175 Quantitative Methods

<b>Credit Points:</b>	25
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2010, Parkville This subject commences in the following study period/s: March, Parkville - Taught on campus. Parkville campus
<b>Time Commitment:</b>	Contact Hours: 36 hours. Total Time Commitment: Not available
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	Attendance at all classes (tutorial/seminars/practical classes/lectures/labs) is obligatory. Failure to attend 80% of classes will normally result in failure in the subject.
<b>Coordinator:</b>	Assoc Prof Margaret Wu
<b>Contact:</b>	Education Student Centre
<b>Subject Overview:</b>	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.
<b>Objectives:</b>	Not available
<b>Assessment:</b>	Three exercises of 1,500 words (50 per cent) and an exercise of 3,500 words (50 per cent).
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	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.
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>	<p>Students who successfully complete the subject will:</p> <ul style="list-style-type: none"> <li># have basic skills in the collection, analysis and reporting of quantitative data;</li> <li># be aware of the major issues in the design and application of instruments for the collection of quantitative data;</li> <li># be capable of using a range of simple procedures in a computer package for statistical analysis and reporting of quantitative information.</li> </ul> <p>Generic Skills:</p> <p>Students who successfully complete the subject will:</p> <ul style="list-style-type: none"> <li># have a good understanding of the appropriate contexts for the use of quantitative methods;</li> <li># have improved generic computer skills;</li> <li># have improved skills in the simple manipulation and reporting of statistical data.</li> </ul>

<b>Links to further information:</b>	<a href="http://www.education.unimelb.edu.au">www.education.unimelb.edu.au</a>
<b>Related Course(s):</b>	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