

FRST20002 Quantitative Skills for Land and Food

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	This subject is not offered in 2012.
Time Commitment:	Contact Hours: Information Not Available 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 Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Contact:	<p>Melbourne School of Land & Environment Student Centre Ground Floor, Land & Food Resources (building 142)</p> <p><i>Enquiries</i> Phone: 13 MELB (13 6352) Email: 13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)</p>
Subject Overview:	<p>This subject will introduce and apply mathematical concepts and skills needed to solve problems in land and food resources contexts. It provides a foundation for 202-107 Mathematics for Land and Food Resources.</p> <p>Topic areas include:</p> <ul style="list-style-type: none"> # geometry and trigonometry, measurement of area and volume, Pythagoras' theorem; # number patterns, ratio and proportion, arithmetic and geometric sequences, calculations using ratios; # data analysis: data displays and numerical summaries, estimation, straight line graphs, correlation and regression; # probability: definitions and axioms, simple and compound events, Venn and tree diagrams, independent and mutually exclusive events, normal distributions; # graphs and functions: graphs of simple polynomial, exponential, logarithmic and trigonometric functions and their transformations, domains and ranges, function notation; # algebra and equations: substitution and transposition of formulas, expansion and factorisation, linear and quadratic equations, simultaneous linear equations in two unknowns, index laws and equations; and # rates of change: constant and variable rates of change, gradient as a measure of rate, definition and notation of derivatives, derivatives of simple polynomials, average and instantaneous rates of change.
Objectives:	Information Not Available
Assessment:	Assignments and projects throughout the subject (60%), a 2-hour final examination (40%).
Prescribed Texts:	Information Not Available

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
Notes:	Students with a pass in Year 12 VCE Mathematics (other than those with a study score of 25-29 in Year 12 VCE Further Mathematics) need the permission of their course coordinator before enrolling in this subject.