MAST10015 Foundation Mathematics 2

Credit Points:	12.5
Level:	1 (Undergraduate)
Dates & Locations:	2016, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Two x 1-hour lecture (24 lectures) and 2 x 1-hour tutorial per week (24 tutorials). Total Time Commitment: 170-hours across the semester, including class time.
Prerequisites:	See table below
Corequisites:	None
Recommended Background Knowledge:	High school mathematics up to a year 10 standard or equivalent.
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:	Mr David Collis
Contact:	**collisd@unimelb.edu.au (mailto:collisd@unimelb.edu.au)**
Subject Overview:	This is the second of a sequence of two subjects (Foundation Mathematics for Commerce 1 and Foundation Mathematics for Commerce 2) providing both BA (Ext) and BSc (Ext) students with a foundation in mathematics that prepares students for a pathway into the Bachelor of Science or a pathway into the Bachelor of Commerce. The content consists of traditional VCE mathematical topics, with a particular emphasis on those topics needed for subsequent studies in the Bachelor of Science and Bachelor of Commerce degree. Applications, examples and problems will be taken from these disciplines.
Learning Outcomes:	On completion of the subject students should have: # the ability to use basic integral calculus including antidifferentiation; and be able to find the area beneath a curve and between two curves, solve infinite limits, and perform integration to infinity; # the ability to use basic techniques for transforming graphs (translation dilation and reflection); # the ability to use basic statistics for different types of variables, including measures of location (median and mode) and spread (range, variance and standard deviation), and be able to present statistical data using charts and tables (using Excel); # an understanding of the basic concepts in probability, including the addition and multiplication rules, and be able to use various methods for representing probabilities, conditional probability, and an introduction to counting methods (permutations and combinations);

Subject	Study Period Commencement:	Credit Points:
MAST10014 Foundation Mathematics 1	Semester 1	12.50

	# an understanding of the concept and uses of probability distributions, including discrete probability distributions (eg. the binomial), and continuous probability distributions (the normal). It also introduces of expected value and standard deviation as ways of interpreting real world situations and solving real world problems; # well-developed communication and group work skills.
Assessment:	Six assignments (5% each, total of 30%) due fortnightly throughout semester. One in class test (25%) held mid-semester. A 2-hour examination (45%) at the end of semester. This subject has a minimum hurdle requirement of 75% attendance and regular participation.
Prescribed Texts:	None
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:	This subject is only available to students enrolled in the Bachelor of Science (Extended) and the Bachelor of Arts (Extended).
Related Course(s):	Bachelor of Arts (Extended) Bachelor of Science (Extended)