Mathematics & Statistics Major

Year and Campus:	2009
Contact:	**Arts and Music Student Centre** Room 104, Ground Floor, Old Arts Building University of Melbourne Office hours: 8.45 am - 5.30 pm, Monday - Thursday. 8.45 am - 5.00 pm, Friday. Tel: +61 3 8344 6395/+61 3 8344 5235 Fax: +61 3 9347 0424
Overview:	The Department of Mathematics and Statistics in the Faculty of Science offers a major and honours program which may be undertaken within the Bachelor of Arts degree.
Objectives:	A major in mathematics and statistics usually requires a minimum of nine 12.5 point subjects, totalling 112.5 points. It comprises: # at least two first-year subjects in mathematics and statistics (25 points); and # three second-year subjects in mathematics and statistics (37.5 points); and # four third-year subjects in mathematics and statistics (50 points). Please see previous versions of the Handbook for information on first year subjects.
Subject Options:	**Emphasising pure mathematics - second year**

Emphasising pure mathematics - second year

Subject	Study Period Commencement:	Credit Points:
620-221 Real and Complex Analysis	Not offered 2009	12.50
620-222 Linear and Abstract Algebra	Not offered 2009	12.50
620-231 Vector Calculus	Semester 1, Semester 2	12.50

Emphasising pure mathematics - third year

Subject	Study Period Commencement:	Credit Points:
620-311 Metric Spaces	Semester 1	12.50
620-312 Linear Analysis	Semester 2	12.50
620-321 Algebra	Semester 1	12.50
620-322 Topology	Semester 2	12.50

Emphasising studies in operations research - first year
Please see previous versions of the student handbooks for more information.

Subject	Study Period Commencement:	Credit Points:
620-142 Mathematics B	Not offered 2009	12.50

Emphasising studies in operations research - second year

Subject	Study Period Commencement:	Credit Points:
620-261 Introduction to Operations Research	Not offered 2009	12.50
620-262 Decision Making	Not offered 2009	12.50
620-270 Applied Statistics	Not offered 2009	12.50

Emphasising studies in operations research - third year

Subject	Study Period Commencement:	Credit Points:
620-352 Graph Theory	Semester 1	12.50
620-361 Operations Research: Techniques	Semester 1	12.50
620-362 Applied Operations Research	Semester 2	12.50
620-371 Linear Models	Semester 1	12.50

Emphasising studies in applied mathematics - first year
Please see previous versions of the student handbooks for more information.

Subject	Study Period Commencement:	Credit Points:
620-142 Mathematics B	Not offered 2009	12.50
620-143 Applied Mathematics	Not offered 2009	12.50

Emphasising studies in applied mathematics - second year
Student must complete Vector Analysis, Mathematical Methods and either Real and Complex Analysis or Analysis.

Subject	Study Period Commencement:	Credit Points:
620-231 Vector Calculus	Semester 1, Semester 2	12.50
620-232 Mathematical Methods	Semester 2	12.50
620-221 Real and Complex Analysis	Not offered 2009	12.50
620-252 Analysis	Semester 1	12.50

Emphasising studies in applied mathematics - third year

Subject	Study Period Commencement:	Credit Points:
620-331 Applied Partial Differential Equations	Semester 1	12.50
620-332 Integral Transforms & Asymptotics	Semester 2	12.50
620-342 Industrial & Applied Mathematics	Semester 2	12.50
620-381 Computational Mathematics	Semester 1	12.50

Emphasising statistical applications - first year
Please see previous versions of the student handbooks for more information.

Subject	Study Period Commencement:	Credit Points:
620-142 Mathematics B	Not offered 2009	12.50
620-143 Applied Mathematics	Not offered 2009	12.50

Emphasising statistical applications - second year

Subject	Study Period Commencement:	Credit Points:
620-201 Probability	Semester 1	12.50
620-202 Statistics	Semester 2	12.50

Emphasising statistical applications - third year

	Subject	Study Period Commencement:	Credit Points:
	620-301 Stochastic Modelling	Semester 1	12.50
	620-302 Chance and Options Pricing	Semester 2	12.50
	620-371 Linear Models	Semester 1	12.50
	620-372 Applied Statistical Inference	Semester 2	12.50
Related Course(s):	Bachelor of Arts		