

Mathematics and Statistics (Mathematical Physics specialisation)

Year and Campus:	2010																														
Coordinator:	.																														
Contact:	Email (http://studentadmin-unimelb.custhelp.com/cgi-bin/studentadmin_unimelb.cfg/php/enduser/ask.php?&p_srch=1&p_icf_47=945) the Science Student Centre																														
Overview:	Major study in Mathematics and Statistics , specialising in Mathematical Physics.																														
Objectives:	.																														
Structure & Available Subjects:	In 2010 a number of new third year level subjects have been introduced, replacing or adding to subjects previously available within the major. Some previously offered subjects have been cancelled. The University is committed to ensuring that students are not disadvantaged by these changes and students may complete a major as defined by the current structure or a structure detailed in a previous year's handbook applicable to any year the student was enrolled in the course. Students completing third year level subjects across multiple years (e.g. in 2009 and 2010) should refer to advice within each subject entry on non-allowed subject combinations. Students unsure about the structure of their intended major should seek advice from the Science Student Centre.																														
Subject Options:	<p>Mathematics and Statistics major (Mathematical Physics)</p> <p>Completion of 50 points of study at third year level.</p> <p>Core subject:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MAST30007 Applied Partial Differential Equations</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Plus one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>MAST30012 Discrete Mathematics</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>MAST30026 Metric and Hilbert Spaces</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>MAST30024 Geometry</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p># 620-332 Integral Transforms and Asymptotics (Prior to 2010) # 620-342 Industrial and Applied Mathematics (Prior to 2010)</p> <p>Plus one of</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHYC30018 Quantum Physics</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p># 640-321 Quantum Mechanics Advanced (Prior to 2010) # 640-341 Quantum Mechanics (Prior to 2010)</p> <p>Plus one of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>PHYC30017 Statistical Physics</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p># 640-322 Statistical Physics Advanced (Prior to 2010) # 640-342 Statistical Physics (Prior to 2010)</p> <p>Please note that credit exclusions may apply. Check individual subject descriptions for further information.</p>	Subject	Study Period Commencement:	Credit Points:	MAST30007 Applied Partial Differential Equations	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	MAST30012 Discrete Mathematics	Semester 2	12.50	MAST30026 Metric and Hilbert Spaces	Semester 2	12.50	MAST30024 Geometry	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	PHYC30018 Quantum Physics	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	PHYC30017 Statistical Physics	Semester 2	12.50
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Related Course(s):	Bachelor of Arts and Bachelor of Science Bachelor of Arts and Sciences Bachelor of Commerce and Bachelor of Science Bachelor of Science Bachelor of Science and Bachelor of Information Systems
Related Majors/Minors/ Specialisations:	Physics (Mathematical Physics specialisation)