

Physics

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 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:	Physics major Completion of 50 points of study at third year level. One of: <table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>PHYC30018 Quantum Physics</td><td>Semester 1</td><td>12.50</td></tr></table> 640-341 Quantum Mechanics (Prior to 2010) 640-321 Quantum Mechanics (Adv) (Prior to 2010) Plus one of: <table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>PHYC30014 Laboratory Work A</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>PHYC30015 Laboratory Work B</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>PHYC30012 Computational Physics</td><td>Semester 2</td><td>12.50</td></tr></table> Plus two additional third year level physics subjects selected from the following list: <table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>PHYC30019 Astrophysics</td><td>Semester 1</td><td>12.50</td></tr><tr><td>PHYC30016 Electrodynamics</td><td>Semester 1</td><td>12.50</td></tr><tr><td>PHYC30014 Laboratory Work A</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>PHYC30011 Sub-atomic Physics</td><td>Semester 2</td><td>12.50</td></tr><tr><td>PHYC30012 Computational Physics</td><td>Semester 2</td><td>12.50</td></tr><tr><td>PHYC30015 Laboratory Work B</td><td>Semester 1, Semester 2</td><td>12.50</td></tr><tr><td>PHYC30020 Quantum Systems</td><td>Semester 2</td><td>12.50</td></tr></table>			Subject	Study Period Commencement:	Credit Points:	PHYC30018 Quantum Physics	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	PHYC30014 Laboratory Work A	Semester 1, Semester 2	12.50	PHYC30015 Laboratory Work B	Semester 1, Semester 2	12.50	PHYC30012 Computational Physics	Semester 2	12.50	Subject	Study Period Commencement:	Credit Points:	PHYC30019 Astrophysics	Semester 1	12.50	PHYC30016 Electrodynamics	Semester 1	12.50	PHYC30014 Laboratory Work A	Semester 1, Semester 2	12.50	PHYC30011 Sub-atomic Physics	Semester 2	12.50	PHYC30012 Computational Physics	Semester 2	12.50	PHYC30015 Laboratory Work B	Semester 1, Semester 2	12.50	PHYC30020 Quantum Systems	Semester 2	12.50
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	PHYC30017 Statistical Physics	Semester 2	12.50
Notes:	Students wishing to pursue further study in Physics via the Master of Science should complete either 640-383 Electrodynamics or 640-384 Statistical Physics.		
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		