PHYC20008 Laboratory Work

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus. Practical laboratory classes.
Time Commitment:	Contact Hours: 72 hours of laboratory work (six hours per week) during semester Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	One of # 640-121 Physics A Advanced (prior to 2008) # 640-141 Physics A (prior to 2008) Plus one of # 640-122 Physics B Advanced (prior to 2008) # 640-142 Physics B (prior to 2008)
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/
Coordinator:	Mr Stephen Marshall
Contact:	**Email: PHYC20008@physics.unimelb.edu.au (mailto:PHYC20008@physics.unimelb.edu.au)**
Subject Overview:	This subject develops students' skills in experimental physics within the areas of optics, acoustics, and nuclear and classical physics.
Objectives:	Students completing this subject should be able to: # demonstrate an understanding of a wide variety of experimental and data analysis techniques; # apply critical reasoning to the evaluation of experimental data and sources of experimental uncertainty; # use experimental log books effectively; and # present clearly the results of experimental work.
Assessment:	Ongoing assessment of laboratory work during the semester, comprising written pre-laboratory assignments (20%)laboratory participation (20%) and written and oral reports up to a total of 3000 words (60%).

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
Generic Skills:	A student who completes this subject should be able to: # participate as an effective member of a group in a laboratory environment; # think independently and analytically, and direct his or her own learning; # manage time effectively in order to be prepared for regular practical classes, and to complete written assignments and reports.
Notes:	This subject is available for science credit to students enrolled in the BSc (pre-2008 degree only), BASc or a combined BSc course. The subject coordinator's approval is required for enrolment. The subject is available only to students in pre-2008 BSc (or its combined courses) who require successful completion of this subject for their degree. It will not be offered to New Generation BSc students.
Related Majors/Minors/ Specialisations:	Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses