640-299 Laboratory Work

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus. Practical laboratory classes.
Time Commitment:	Contact Hours: 72 hours of laboratory work (six hours per week) Total Time Commitment: 120 hours total time commitment.
Prerequisites:	One of # 640-121 # 640-141 Plus one # 640-122 # 640-142
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Mr Stephen Marshall
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 and will not run again after 2009.