MAST90007 Statistics for Research Workers

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2014, Parkville This subject commences in the following study period/s: June, Parkville - Taught on campus. Intensive dates: 23 June - 4 July 2014
Time Commitment:	Contact Hours: 8 days intensive: 48 hours (24 hours of lectures and 24 hours of practical classes) Total Time Commitment: 120 hours. Classes will not be held on Wednesday for both weeks of the course.
Prerequisites:	It is expected that participants will have studied mathematics at VCE level, or equivalent. Students must be enrolled in a Masters-Level program or above. This subject will involve mathematical, statistical and computing skills.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	Students who have completed any of the following may not enrol in this subject for credit

Subject	Study Period Commencement:	Credit Points:
MAST20005 Statistics	Semester 2	12.50
MAST90044 Thinking and Reasoning with Data	Semester 1	12.50
MAST90058 Elements of Statistics	Semester 2	12.50

Students who have completed MAST10010 Data Analysis 1 or MAST10011 Experimental Design and Data Analysis must obtain subject coordinator's approval before enrolling in this subject.

Core Participation Requirements:	For the purposes of considering requests 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 for 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:	Prof Ian Gordon
Contact:	Email: **irg@unimelb.edu.au (mailto:irg@unimelb.edu.au)**
Subject Overview:	This subject is designed to provide students with detailed training in statistical methods as applied to the design and analysis of projects undertaken by postgraduate students, across all disciplines.
Learning Outcomes:	Students who complete this subject should: # learn sound principles of design and research; # acquire skills in the analysis of research; # gain skills in the use of statistical software;

	# develop the ability to assess published research critically from a statistical point of view.
Assessment:	Up to 12 short exercises conducted during the subject, including the use of software (continuous assessment), involving a total of no more than 15 written pages (30%); A 1-hour examination at the conclusion of the subject (40%); A 2000-word assignment which relates to the work studied in the subject to the student's research (30%) to be submitted two weeks after completion of the subject.
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
Links to further information:	http://www.scc.ms.unimelb.edu.au/
Related Course(s):	Master of Biomedical Science Master of Science (Biomedical and Health Sciences) Master of Science (Botany) Master of Science (Chemistry) Master of Science (Computer Science) Master of Science (Earth Sciences) Master of Science (Geography) Master of Science (Information Systems) Master of Science (Physics) Master of Science (Vision Science)
Related Majors/Minors/ Specialisations:	Conservation and Restoration Conservation and Restoration Education Education Energy Efficiency Modelling and Implementation Energy Efficiency Modelling and Implementation Energy Studies Energy Studies Integrated Water Catchment Management Integrated Water Catchment Management Tailored Specialisation Tailored Specialisation Waste Management Waste Management