

612AA Master of Geomatic Engineering

Year and Campus:	2010 - Parkville
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Research Higher Degree
Duration & Credit Points:	Students are expected to complete this research in 1.50 years full time, or equivalent part time. Credit Points: 150
Coordinator:	Department of Geomatics Postgraduate Coordinator A/ Prof Stephan Winter E:winter@unimelb.edu.au
Contact:	Department of Geomatics, Postgraduate Coordinator
Course Overview:	This course is normally examined by thesis alone and likely research areas include: land and geographic information systems; design and modelling of spatial information systems; environmental modelling and visualisation; spatial analysis; cadastral systems and land administration; high precision measurement; precise surveillance and monitoring surveys; integrated geodesy and geodetic surveys; analytical photogrammetry and digital mapping; close range and videometric photogrammetry; image analysis and remote sensing; heritage recording; hydrographic surveying; and network adjustments and numerical processes. Students will normally enrol in Research subject 451-602 (https://psc.unimelb.edu.au/view/subject/451-602.html) .
Objectives:	On successful completion of this course, students will have acquired proficiency in: <ul style="list-style-type: none"> # the definition of a research proposal # determining an appropriate research methodology; # data analysis and evaluation # appropriate review and evaluation techniques for literature surveys # reporting to an acceptable standard in the form of a thesis embodying the project and its outcomes # understanding the role of research in Geomatic Engineering, as evidenced by the production of a thesis and the fundamental principles underlying the selected study # the technical characteristics of the selected study and technical requirements in carrying out the proposal # sustained original investigation of a defined area of research specialisation
Course Structure & Available Subjects:	-
Subject Options:	Students are required to complete 150 points of research: 50 points per semester for full-time students and 25 points per semester for part-time students.
Entry Requirements:	The minimum entry requirement is normally a four-year undergraduate degree in geomatic engineering at honours level.
Core Participation Requirements:	-
Graduate Attributes:	-