

451-614 Distributed Spatial Computing

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 48 hours of lectures, tutorials and practical exercises; Non-contact time commitment: 96 hours Total Time Commitment: Not available
Prerequisites:	451-610: Fundamentals of GIS and451-617: Fundamentals of Positioning Technologies or the equivalent subjects .
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.</p> <p><p>It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability</p></p> </p>
Coordinator:	Assoc Prof Stephan Winter
Subject Overview:	This subject provides fundamental concepts, theory, and applications of integrating spatial technologies with enabling technologies, such as wireless communications and the Internet. The subject covers the core areas of distributed GIS, web mapping, interoperability; and location-based services.
Assessment:	3-hours of written examinations and tests (50%) and the equivalent of 3000- words written assignments and reports on practical work during the semester (50%).
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:	<p>On successful completion, students should have:</p> <ul style="list-style-type: none"> # an understanding the fundamental principles of distributed spatial computing, delivery of spatial information over the Web, and syntactical and semantic interoperability # an understanding the foundations of location-aware computing, including LBS architectures, interfaces and location privacy
Related Course(s):	<p>Graduate Certificate in Geographic Information Systems</p> <p>Graduate Diploma in Geographic Information Systems</p> <p>Master of Applied Science (Geographic Information Systems)</p> <p>Master of Geographic Information Technology</p>