

451-420 Spatial Data Handling (Hons)

Credit Points:	12.5
Dates & Locations:	This subject is not offered in 2008.
Time Commitment:	Total Time Commitment: Not available
Prerequisites:	451-335 Application and Development of Geographic Information Systems, or equivalent
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>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>
Coordinator:	Information Not Available
Subject Overview:	<p>On completion of this subject, students should have: a sound knowledge of the fundamental techniques used in spatial data handling; and a firm understanding of the respective merits and limitations associated with using those methods.</p> <p>Content: Coordinate geometry: coordinate systems, intersections of lines and planes, calculation of length and area. Coordinate adjustment: transformations, rubber sheeting. Feature editing: feature alignment generalisation, densification. Raster/vector conversion: raster to vector conversion, vector to raster conversion. Boolean functions: point, line and polygon overlay, buffer generation. Surface analysis: gradient, aspect, curvature, points of inflection, viewsheds, intervisibility, contouring, TIN formation.</p>
Assessment:	Information Not Available
Prescribed Texts:	None
Recommended Texts:	Information Not Available
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:	Information Not Available
Notes:	This subject is not offered in 2007
Related Course(s):	Bachelor of Geographic Information Technology