

421-448 Transport Systems

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: Twenty-four hours of lectures and twenty-four hours of practice classes. Total Time Commitment: Not available
Prerequisites:	None
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:	Russell Thompson
Subject Overview:	<p>On completion of this unit students should have an understanding of the prediction of demand and systems available to meet this demand for both motorised and non-motorised traffic; the theory and practice of transportation planning; and an ability to apply this knowledge to design and manage transport systems.</p> <p>Topics covered include traffic management, traffic simulation modelling, travel demand management, non-motorised transport, road safety, parking, environmental impacts of traffic, geographic information systems, travel surveys, travel behaviour modelling, intelligent transport systems, city logistics, and public transport system design.</p>
Assessment:	One 2-hour written examination (40%) two written assignments each with a maximum of 3000 words or equivalent (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:	<ul style="list-style-type: none"> # ability to apply knowledge of basic science and engineering fundamentals # ability to communicate effectively, not only with engineers but also with the community at large # understanding of the social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development # understanding of the principles of sustainable design and development # capacity for independent critical thought, rational inquiry and self-directed learning

international awareness and openness to the world, based on understanding and appreciation of social and cultural diversity and respect for individual human rights and dignity