702-363 Site Tectonics

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	This subject is not offered in 2009. On campus
Time Commitment:	Total Time Commitment: 120 hours
Prerequisites:	# 880-103 Constructing Environments, 880-104 Designing Environments and 880-108 Virtual Environments,
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	702-306 Site Tectonics, 702-696 Site Tectonics
Core Participation Requirements:	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. 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
Subject Overview:	An introduction to and development of the fundamental skills to model sites and landform (including the fundamentals of surveying and levelling) with an emphasis on integrated 3D resolution of natural surfaces, built forms (buildings and structures, roads, paths and pavements), drainage (surface and subsoil retention and drainage and disposal) and substrates (foundations and sub-grades). Earthwork computation. This subject aims to develop the conceptual and technical skills at a graduate level required to mould land- and built- forms for the purpose of effective design.
Assessment:	Project work equivalent to 5000 words, including a 500 word assignment due in week 2 (10%), a 500 word assignment in week 5 (10%), a 1500 word assignment in week 8 (30%) and an assignment of 2500 words due at the end of semester (50%).
Prescribed Texts:	Stron, S. and K. Nathan. 1998. Site Engineering for Landscape Architects. 3rd edition. John Wiley and Sons, New York. Untermann, R. K. 1973. Grade Easy: An Introductory Course on the Principles and Practices of Grading and Drainage. Architecture Foundation, Virginia. Harris, C.W. and N.T. Dines (eds). 1998. Time-Saver Standards for Landscape Architecture: Design and Construction. McGraw-Hill Publishing, New York.
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:	use of sketches and diagrams to analyse and communicate correct use of technical terminology three-dimensional conceptualisation and representation creative response to complex problems application of fundamental science and mathematics to problem-solving
Links to further information:	http://www.benvs.unimelb.edu.au/
Related Majors/Minors/ Specialisations:	Urban Design