ABPL20047 Site Tectonics

Credit Points:	12.50
Level:	2 (Undergraduate)
Dates & Locations:	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 4 hours per week Total Time Commitment: 120 hours
Prerequisites:	None specified
Corequisites:	None specified
Recommended Background Knowledge:	None specified
Non Allowed Subjects:	**702-306 Site Tectonics (../../view/2008/702-306)** **702-363 Site Tectonics (../../view/2009/702-363)**

Subject	Study Period Commencement:	Credit Points:
ABPL90271 Shaping the Landscape	Semester 1	12.50

Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Coordinator:	Dr Siqing Chen
Contact:	Email: **chens@unimelb.edu.au (mailto:chens@unimelb.edu.au)**
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.
Objectives:	At the end of this subject students will be able to: # Understand site grading and earth manipulation from functional, aesthetic and ecological perspectives. # Demonstrate an understanding of the technical aspects of site grading # Understand and apply a range of representational techniques associated with designing landform # Correct use of terminology in the description of landform manipulation, grading and drainage # Three-dimensional conceptualisation and representation of landform including use of contour and grading plans, sections and elevations. # Creative and technically accurate responses to grading and drainage issues clearly defined by design intentions. # Application of fundamental science and mathematics to grading and drainage problems.
Assessment:	One assignment due early in semester worth 25% equivalent to 1000 words. A second assignment worth 50% due later in semester equivalent to 2000 words.A third assignment worth 25% equivalent to 1000 words.

Prescribed Texts:	None specified
Recommended Texts:	# Stron, S. and Nathan, K. Site Engineering for Landscape Architects. 3rd edition. John Wiley and Sons, New York. 1998. # Untermann, R. K. Grade Easy: An Introductory Course on the Principles and Practices of Grading and Drainage. Architecture Foundation, Virginia. 1973.
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.
Related Majors/Minors/ Specialisations:	Civil (Engineering) Systems Landscape Architecture Urban Design and Planning
Related Breadth Track(s):	Exploring Landscape Architecture