702-309 Structures and Construction 3B

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: Four hours of lectures, seminars, tutorials and site visits per week Total Time Commitment: Not available
Prerequisites:	702-308 Structures and Construction 3A, or equivalent.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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
Coordinator:	Mr Peter Ashford
Subject Overview:	This subject is an extension of the structural behaviour, design and construction detailing covered in Construction Technology 2A and Construction Technology 2B/Structural Systems. The structural design concepts are extended and related to the varying construction techniques required. More advanced aspects of design detailing, documentation and construction methods for the following: precast concrete building systems including tilt slab construction; basements and site retention; industrial pavements; steel portal frames and steel frame systems. On completion of the subject students should be able to: # Link structural design concepts and relate these to current construction practices. # Interpret structural drawings and be conversant with engineering terminology. # Communicate construction solutions by means of sketches and drawings.
Assessment:	One three-hour examination (70%). Written and drawn assignments equivalent to not more than 2000 words (30%). A minimum grade of 40% must be achieved in the examination in order to pass the subject.
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:	On completion of the subject students should have developed the following skills and capabilities:

	# Proposal and evaluation of alternative construction systems. # Research and analysis of new construction methods and new products.
Related Course(s):	Bachelor of Geomatic Engineering & Bach of Planning & Design(Prop&Const) Bachelor of Planning and Design (Property and Construction)