702-309 Structures and Construction 3B

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: - Total Time Commitment: Two 2 hour lectures per week; andOne 1 hour tutorial per week.
Prerequisites:	702-308 (ABPL30003) Structures and Construction 3A, or equivalent.
Corequisites:	-
Recommended Background Knowledge:	-
Non Allowed Subjects:	702-809 (ABPL00093) - Structures and Construction 3B
Core Participation Requirements:	-
Coordinator:	Mr Peter Ashford
Contact:	-
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
Objectives:	-
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:	-
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.
Links to further information:	http://www.abp.unimelb.edu.au/environments-and-design-students/abp-ugrad-students.html
Related Course(s):	Bachelor of Geomatic Engineering & Bach of Planning & Design(Prop&Const)