680-AV Bachelor of Engineering (EngineeringManagement) Civil

Year and Campus:	2009
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Contact:	Engineering Student Centre Ground Floor, Old Engineering Building The University of Melbourne Victoria 3010 AUSTRALIA Tel: +61 3 8344 6703 Fax: +61 3 9349 2182 Email **http://eng-unimelb.custhelp.com (Engineering%20Student%20Centre%20%20Ground%20Floor,%20Old%20Engineering%20Building%20The%20University%20of%20Melbourne%20Victoria%203010%20AUSTRALIA%20%20Tel:%20+61%203%208344%206703%20Fax:%20+61%203%209349%202182%20%20Email%20http:/eng-unimelb.custhelp.com)**
Course Overview:	The course structure below represents the core content for the Civil Engineering specialisation within the BE (Engineering Management) degree. All students should check that they have taken the listed subjects, or equivalent. For further information and up-to-date course advice students should regularly check the Department of Civil and Environmental Engineering's course advice page at www.civenv.unimelb.edu.au/undergraduate When setting the timetable every effort will be made to avoid clashes between the times of classes associated with these sets of subjects. Students should be aware however, that if it proves to be impossible to achieve a timetable without clashes in these sets of subjects, the Faculty reserves the right to modify course structures in order to eliminate the conflicts. Students will be advised during the enrolment period of the semester if the recommended courses need to be varied. Where the courses include elective subjects these should be chosen so that departmental guidelines on electives are satisfied (see www.civenv.unimelb.edu.au/undergraduate). Students should also avoid timetable clashes in choosing their electives. In particular, students in combined degrees should plan their courses so that the subjects chosen in the other faculty do not clash with those recommended for the engineering component.
Objectives:	-
Course Structure & Available Subjects:	-
Subject Options:	**THERE WILL BE NO FIRST YEAR ENTRY INTO THIS COURSE FROM 2008** THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008 Note: Students who commenced 2nd year in 2008 who have not completed, (or who have failed), the second year subjects required in the Bachelor of Engineering degree please see a course adviser. **Third Year** Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
421-306 Geotechnical Engineering	Semester 1	12.500
421-307 Structural Engineering 1	Semester 1	12.500
421-355 Management for Engineers 2	Semester 1	12.500
421-505 Engineering Hydraulics	Semester 1	12.500

Semester 2

Subject	Study Period Commencement:	Credit Points:
421-317 Structural Engineering 2	Semester 2	12.500
421-318 Construction Engineering	Semester 2	12.500
421-516 Hydraulics and Hydrology	Semester 2	12.500

Commerce subject (12.5 points) - *subject must be either a level-200 or level-300 and the pre-requisites met where necessary.*

Fourth Year

Subjects listed below **MUST** be taken in this approved order, regardless of semester availability.

Semester 1

Subject	Study Period Commencement:	Credit Points:
421-441 Infrastructure Design	Semester 1	12.500
421-405 Management for Engineers 3	Semester 1	12.500

Commerce Elective (12.5 points) - *subject must be either a level-200 or level-300 and the pre-requisites met where necessary.*

and

Engineering Elective (12.5 points) - *or elective approved by the Department of Civil and Environmental Engineering.*

Semester 2

Subject	Study Period Commencement:	Credit Points:
421-442 Integrated Design	Semester 2	12.500
421-440 Steel & Concrete Design	Semester 2	12.500

Commerce Elective (12.5 points) - *subject must be either a level-200 or level-300 and the pre-requisites met where necessary.*

and

Engineering Elective (12.5 points) - *or elective approved by the Department of Civil and Environmental Engineering.*

Core Participation Requirements:	-
Graduate Attributes:	The undergraduate degree streams are accredited by Engineers Australia. In order to achieve this accreditation we aim to develop the following attributes in our graduates: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;In-depth technical competence in at least one engineering discipline;Ability to undertake problem identification, formulation and solution;Ability to utilise a systems approach to design and operational performance;Ability to function effectively as an individual and in multi-disciplinary and multicultural teams, with the capacity to be a leader or manager as well as an effective team member;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;Understanding of and commitment to professional and ethical responsibilities; andExpectation and capacity to undertake life-long learning.
Generic Skills:	-