

CHEN90020 Chemical Engineering Management

CHEN30013 Chemical Engineering Management

Credit Points:	12.50						
Level:	9 (Graduate/Postgraduate)						
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.						
Time Commitment:	Contact Hours: 2 x two hour lectures + 1 x one hour tutorial per week Total Time Commitment: Estimated 120 hours						
Prerequisites:	Students must have completed the following subject prior to enrolling in this subject: <table><tr><td>Subject</td><td>Study Period Commencement:</td><td>Credit Points:</td></tr><tr><td>CHEN20008 Chemical Process Analysis 2</td><td>Semester 2</td><td>12.50</td></tr></table>	Subject	Study Period Commencement:	Credit Points:	CHEN20008 Chemical Process Analysis 2	Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:					
CHEN20008 Chemical Process Analysis 2	Semester 2	12.50					
Corequisites:	None						
Recommended Background Knowledge:	None						
Non Allowed Subjects:	CHEN40006 Chemical Engineering Management CHEN30013 Chemical Engineering Management						
Core Participation Requirements:	For the purposes of considering request 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 Kathryn Mumford						
Contact:	Email: mumfordk@unimelb.edu.au (mailto:mumfordk@unimelb.edu.au)						
Subject Overview:	For long term sustainability, a company must focus on its Triple Bottom Line (Financial performance, Environmental performance and Sociological performance). This subject will cover the key parameters needed to manage performance in each of these areas for both new projects and redevelopments. This subject will include the following topics: <ul style="list-style-type: none"># Project Management: The stages of a project; how to conduct a feasibility study; team building; communication; network analysis# Financial performance: Revenue, capital and operating cost forecasting; simple accounting; profitability analysis and applications# Environmental performance: Sustainable development; global warming & emission control; water management# Sociological performance: Safety Management; ethics; intellectual property etc						
Objectives:	At the completion of the subject, students should be able to: <ul style="list-style-type: none"># Generate feasibility studies for new projects and re-developments incorporating economic, environmental and social impacts# Demonstrate an ability to utilise contemporary project management skills when undertaking large projects# Understand the importance of other aspects of being a practising engineer i.e. safety, legal and ethical requirements						

Assessment:	Assignments, each not exceeding a total of 3000 words plus accompanying tables and calculations, due throughout the semester (40% of the total mark) A three hour end of semester examination (60%)
Prescribed Texts:	None
Recommended Texts:	None
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:	At the completion of the subject, students should have developed: <ul style="list-style-type: none"> # Strong reasoning and analytical skills, particularly when presented with complex and unfamiliar problems # Strong communication skills, both verbal and written forms # Skills to work as an efficient and effective team member
Related Course(s):	Bachelor of Engineering (Biomedical)Biocellular
Related Majors/Minors/Specialisations:	B-ENG Chemical Engineering stream B-ENG Chemical and Biomolecular Engineering stream Master of Engineering (Biomolecular) Master of Engineering (Chemical)