CHEN90026 Chemical Engineering Minor Research Project

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013. Laboratory, computer or literature-based research project (independent or team-based).Research Project is usually completed in Semester 2. However, as a special arrangement, Research Project may be undertaken in Summer Semester and/or Semester 1 with the approval of the subject co-ordinator.
Time Commitment:	Contact Hours: 1 x two hour lecture (first week of semester only) + 5 x one hour lectures in the next few weeks of semester Total Time Commitment: Estimated 120 hours
Prerequisites:	Students must have completed BOTH of the following subjects prior to enrolling in this subject: **CHEN30001 Reactor Engineering (../../view/current/CHEN30001)** (Prior to 2010 CHEN40003 Reactor Engineering) **CHEN30005 Heat and Mass Transport Processes (../../view/current/CHEN30005)** and ONE OF the following subjects: **BTCH90006 Bioprocess Engineering (../../view/current/BTCH90006)** **CHEN90031 Bioprocess Engineering (../../view/current/CHEN90031)** (Prior to 2012 CHEN30014 Bioprocess Engineering)
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 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/
Contact:	Email: **gstevens@unimelb.edu.au (mailto:gstevens@unimelb.edu.au)**
Subject Overview:	Candidates will undertake as individuals or as a member of a team a designated investigative project which could involve a critical literature review, experimental research and/or development, theoretical modelling, process simulation and/or the solution of an industrial problem. Rigorous planning and scheduling of the project, time management, technical communication, interpretation of results and team work will be required.
Objectives:	On completion of this subject students should be able to: # Understand the methodologies of research in Chemical Engineering # Plan and conduct an individual or team-based research project # Present in writing the results of their research
Assessment:	A written report of approximately 25 pages not including appendices, diagrams, tables and computer output contributing 75% to the total assessment, along with an assessment of the quality of the research work (25%)
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:	# The ability to undertake problem identification, formulation and solution # Capacity for independent thought # The ability to communicate effectively orally and in writing # The ability to plan work and use time effectively
Related Course(s):	Bachelor of Engineering (Chemical) and Bachelor of Arts Bachelor of Engineering (Chemical) and Bachelor of Commerce