

CHEN90026 Chemical Engineering Minor Research Project

Credit Points:	12.50															
Level:	9 (Graduate/Postgraduate)															
Dates & Locations:	<p>2011, Parkville</p> <p>This subject commences in the following study period/s: Summer Term, Parkville - Taught on campus. Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus. 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 Head of Department.</p>															
Time Commitment:	Contact Hours: 1 x 2 hour lecture per week (initial weeks of semester only) Total Time Commitment: Estimated 120 hours															
Prerequisites:	<p>Students must have taken the following subjects prior to enrolling in this subject:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>CHEN90018 Particle Mechanics and Processing</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>CHEN30001 Reactor Engineering</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>CHEN30009 Process Dynamics and Control</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>CHEN90019 Advanced Heat & Mass Transport Processes</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	CHEN90018 Particle Mechanics and Processing	Semester 1	12.50	CHEN30001 Reactor Engineering	Semester 1	12.50	CHEN30009 Process Dynamics and Control	Semester 2	12.50	CHEN90019 Advanced Heat & Mass Transport Processes	Semester 1	12.50
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CHEN30009 Process Dynamics and Control	Semester 2	12.50														
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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/															
Coordinator:	Assoc Prof Malcolm Davidson															
Contact:	Email: m.davidson@unimelb.edu.au (mailto:m.davidson@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:	<p>On completion of this subject students should be able to:</p> <ul style="list-style-type: none"> # 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 50 pages with associated diagrams and computations contributing 75% to the total assessment, along with an assessment of the quality of the research work (25%).
Prescribed 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:	<ul style="list-style-type: none"> # 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 Bachelor of Engineering (Chemical) and Bachelor of Laws