CHEN90028 Industry Project

Credit Points:	25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2013, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: An average of 2 hours of meetings with academic and industrial supervisors per week Total Time Commitment: Estimated 240 hours
Prerequisites:	Enrolment in Industry Project is subject to approval from the Course Co-ordinator Approved students must have completed the following subjects (or equivalent) prior to enrolling in this subject: **CHEN30001 Reactor Engineering (../../view/current/CHEN30001)** (Prior to 2010 CHEN40003 Reactor Engineering) **CHEN90020 Chemical Engineering Management (../../view/current/CHEN90020)** (Prior to 2010 CHEN40006 Chemical Engineering Management or CHEN30013 Chemical Engineering Management) **CHEN30005 Heat and Mass Transport Processes (../../view/current/CHEN30005)**
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:	Prof Peter Scales
Contact:	Email: **peterjs@unimelb.edu.au (mailto:peterjs@unimelb.edu.au)**
Subject Overview:	Candidates will undertake as individuals or as a member of a team a designated investigative project within a suitable industry partner that could involve critical analysis of a topic, 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, written and verbal technical communication, interpretation of results and team work will be required. Working off campus may be also be required, depending on the project.
Objectives:	On completion of this subject students should be able to: # Plan and conduct an independent project within an industrial setting # Communicate their research plan orally to an audience of their peers # Present a detailed written report
Assessment:	A written report of up to 35 pages, not including appendices, diagrams, tables, computations and computer output (50%); A 30 minute oral presentation supported either by powerpoint slides or a poster(25%); and an assessment of the quality of the student's research work,

	including a mid-semester oral update briefing (25%). Students participating in the Endeavour program submit their poster and complete their oral presentation towards the end of semester and their written report is submitted during the exam period. Students not participating in the Endeavour program submit their written report towards the end of semester and complete their oral presentation during the exam period.
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:	# 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 function effectively as an individual and in multi-disciplinary and multi-cultural teams, with the capacity to be a leader or manager as well as an effective team member # Capacity for independent critical thought, rational inquiry and self-directed learning # Intellectual curiosity and creativity, including understanding of the philosophical and methodological bases of research activity # Profound respect for truth and intellectual integrity, and for the ethics of scholarship
Related Majors/Minors/ Specialisations:	Master of Engineering (Biomolecular) Master of Engineering (Chemical)