ENGR90033 Industry Based Learning

Credit Points:	25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: January, Parkville - Taught on campus. Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus. Students will spend up to 400 hours on company premises over a 10 - 12 week period. In order to accommodate this, the "January" period will actually start in the beginning of December.
Time Commitment:	Contact Hours: 12 hours including seminars and academic supervision. Total Time Commitment: 400 hours
Prerequisites:	Entry into one of the following degrees: MC-ENG Master of Engineering (Biochemical), (Biomedical), (Chemical), (Civil), (Electrical), (Environmental), (Mechanical), (Software), (Spatial), (Structural) MC-IS, 864AL, 864BB Master of Information Systems MC-IT, MC-IT150 Master of Information Technology Students must also be within 125 points of completion of this degree, and enrolment in this subject requires approval of the subject coordinator. There is an application process for this subject, and students are required to have achieved a H2B average in their course.
Corequisites:	None
Recommended Background Knowledge:	None

Non Allowed Subjects:

Subject	Study Period Commencement:	Credit Points:
CHEN90028 Industry Project	Summer Term, Semester 1, Semester 2	25
GEOM90017 Spatial Industry Internship	Summer Term, Semester 1, Semester 2, Winter Term	12.50
ISYS90080 IT Industry Placement	Summer Term, Semester 1, Semester 2	25
ISYS90082 Industry Based IT Experience Project	Summer Term, Semester 1, Semester 2	12.50
BUSA90485 Global Business Practicum	January, July	12.50
BUSA90473 Melbourne Business Practicum	February, July	12.50

Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability

Coordinator:	Prof Andrew Ooi
Contact:	**asho@unimelb.edu.au (mailto:asho@unimelb.edu.au)**
Subject Overview:	**AIMS** This subject involves students undertaking professional work experience at a Host Organisation's premises. Students will work under the supervision of both a member of academic staff and an external supervisor at the Host Organisation. During the period of work experience, students will be introduced to workplace culture and be offered the opportunity to strengthen their employability. Students will undertake preparatory seminars covering topics that will include professional standards of behaviour and ethical conduct, working in teams, time management and workplace networking.
Learning Outcomes:	**INTENDED LEARNING OUTCOMES (ILO)** At the end of this subject students should be able to: 1 Describe the application of established engineering or information technology methods to complex problem solving design or project management; 2 Demonstrate written and oral communication appropriate to the host organization and/or clients; 3 Demonstrate professional use and management of information; 4 Demonstrate orderly management of self, and professional conduct; 5 Discuss the elements of effective team membership and team leadership observed in the workplace and compare these to the University setting.
Assessment:	Scope of works and initial reflection against the learning outcomes of no more than 1000 words, due Week 3 of semester, requiring approximately 5 hours of work (10%) 15 minute oral presentation on progress and reflection against the learning outcomes, due Week 6 of semester, requiring approximately 5 hours of work (20%) 15 minute oral presentation on work undertaken and reflection against the learning outcomes, due Week 12 of semester, requiring approximately 5 hours of work (20%) Final report on work undertaken and reflection against the learning outcomes of no more than 8000 words, due Week 12, requiring approximately 25 hours of work (50%)
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:	# Application of established engineering or IT methods to complex engineering or IT problem solving. # Application of systematic approaches to the conduct and management of engineering or IT projects. # Ethical conduct and professional accountability. # Effective oral and written communication in professional and lay domains. # Professional use and management of information. # Effective team membership and team leadership.
Related Course(s):	Master of Information Systems Master of Information Systems
Related Majors/Minors/ Specialisations:	MIS Professional Specialisation Master of Engineering (Biochemical) Master of Engineering (Biomedical) Master of Engineering (Chemical) Master of Engineering (Civil) Master of Engineering (Electrical) Master of Engineering (Environmental) Master of Engineering (Mechanical) Master of Engineering (Spatial)

Master of Engineering (Structural)