ISYS90080 IT Industry Placement

Credit Points:	25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught online/distance. Semester 1, Parkville - Taught online/distance. Semester 2, Parkville - Taught online/distance.
Time Commitment:	Contact Hours: 36 hours; An average of 2 hours of meetings with academic and industrial supervisors per week. Total Time Commitment: 400 hours
Prerequisites:	Enrolment in any specialisation of the Master of Information Technology, with completion of 50 points at graduate level excluding the following subjects: # COMP90007 Internet Technologies # COMP90038 Algorithms and Complexity # COMP90041 Programming and Software Development # INFO90002 Database Systems and Information Modelling (prior to 2015 this subject was known as SINF90001) and subject to the approval of the subject coordinator.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	

Subject	Study Period Commencement:	Credit Points:
GEOM90017 Spatial Industry Internship	Summer Term, Semester 1, Semester 2, Winter Term	12.50
ENGR90033 Industry Based Learning	January, 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:	Assoc Prof Egemen Tanin
Contact:	email: **etanin@unimelb.edu.au (mailto:etanin@unimelb.edu.au)**

Subject Overview:	**Aims** Candidates will undertake as individuals or as a member of a team a designated investigative project with a suitable industry partner which could involve critical analysis of a topic, experimental research, development 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. The project will involve a mixture of on- and off-campus work. This subject is intended to provide high-performing graduate students with the opportunity to apply their knowledge in an industry setting, under the joint supervision of an industry and academic mentor. **Indicative Content** The project content will vary considerably across partners, but example projects are: assistance in the development of a GPU library for weather forecasting; the implementation of a series of algorithms for tracking trends in social media data; and the analysis of traffic flow data using optimisation techniques.
Learning Outcomes:	**Intended Learning Outcomes (ILOs)** On completion of this subject the student is expected to: 1 Plan and conduct an independent project within an industrial setting 2 Communicate their research plan orally to an audience of their peers 3 Present a detailed written report
Assessment:	A 800-1000 word project proposal, due at the end of week 4 (10%), requiring approximately 35-40 hours of work per student A 20 minute presentation, including answering audience questions, of the project or demonstration of a working system, due in the final week of semester (10%), requiring approximately 35-40 hours of work per student One 8,000-10,000 word project report, due in the second week of the examination period (80%), requiring approximately 300-320 hours of work per student Intended Learning Outcome (ILO) 1 is addressed in all three assessment components; ILO2 is addressed in the presentation; ILO3 is addressed in the final report.
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:	On completion of this subject, students should have developed the following generic skills: # Ability to apply knowledge of basic science and IT fundamentals # Ability to communicate effectively, not only with IT specialists but also with the community at large # In-depth technical competence in at least one IT 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
Notes:	**Learning and Teaching Methods** The subject is taken on-site with an industry partner, with joint supervision from an industry mentor and an academic supervisor, on a project pre-agreed upon between the student, the mentor and the supervisor. **Indicative Key Learning Resources** Most of the learning in this subject will take place in interaction with the industry partner, through the project.

	Careers/Industry Links The subject is, by definition, industry based.
Related Course(s):	Master of Information Systems Master of Information Systems Master of Information Systems Master of Information Technology Master of Information Technology
Related Majors/Minors/ Specialisations:	MIS Professional Specialisation MIT Computing Specialisation MIT Distributed Computing Specialisation MIT Health Specialisation MIT Spatial Specialisation