ISYS90079 Health IT Project

Credit Points:	25
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Parkville 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.
Time Commitment:	Contact Hours: 24: comprising participation in scheduled research seminars one hour per week, plus regular contact equivalent to one hour per week with a project supervisor. Total Time Commitment: 400 hours

Prerequisites:	Enrolment in the *Health* specialisation of the *Master of Information Technology*, with completion of 50 points of Computing and Information Systems subjects 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)
	
	Students should negotiate a project topic with a project supervisor well before the start of each semester. Students should then prepare a proposal to present their case to enrol to the subject and also to document the project timeline and details.
	
	Students need to obtain the approval of the degree coordinator on their proposal by the first week of the semester to be able to enrol to this subject

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 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 Kathleen Gray
Contact:	email: **kgray@unimelb.edu.au (mailto:kgray@unimelb.edu.au)**
Subject Overview:	**Aims** This subject involves in-depth investigation of a significant problem related to Health IT. The subject also provides students with skills and knowledge for analysing and solving problems, and enhanced written and oral communication skills. The subject is fundamentally a research-based project, to provide a capstone experience and produce a piece of scholarly work suitable for conference or journal publication.

	Indicative Content
	
	Project topics must relate to the content of another MIT (Health) subject, i.e.
	
	  # ISYS90069 eHealth and Biomedical Informatics Systems
	  # INFO90001 eHealth and Biomedical Informatics Methods
	  # ISYS90078 Health Data, Information and Knowledge
	  # ISYS90076 IT Infrastructure for eHealth
	  # ISYS90077 eHealth Applications and Solutions

Learning Outcomes:	**Intended Learning Outcomes (ILOs)** On completion of this subject the student is *expected* to: 1 Independently investigate topic areas relating to Health IT 2 Synthesise work related to the topic of study 3 Write and present a proposal and report
Assessment:	Project proposal (10%). Due at the end of week 1. Approximately 1000 words. Requires approximately 25-30 hours of work per student. Intended Learning Outcomes (ILOs) 1 & 2 are addressed in this assignment. This component of assessment is a hurdle; students must obtain at least 50% in it to pass the subject. Presentation of the project or demonstration of a working system, including answering audience questions, for approximately 20 minutes (10%), due in week 12. Requires approximately 25-30 hours of work per student. ILOs 2 & 3 are addressed in this assignment. This component of assessment is a hurdle; students must obtain at least 50% in it to pass the subject. Project report (80%). Approximately5,000 - 6,000 words, due in week 12. Requires approximately 200-240 hours of work per student. ILOs 2 & 3 are addressed in this assignment. This component of assessment is a hurdle; students must obtain at least 50% in it to pass the subject.
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:
	
	  # Be able to undertake problem identification, formulation and solution
	  # Have a capacity for independent critical thought, rational inquiry and self-directed learning
	  # Have a profound respect for truth and intellectual integrity, and for the ethics of scholarship
	  # Be able to present work in written form
	  # Be able to present work orally and answer questions about it

Notes:	**Learning and Teaching Methods** This subject is offered as a one 1- hour seminar per week over 12 weeks; independent learning comprises the majority of student time. Subject documents and class records are handled using LMS Blackboard and online forums are used for peer and academic support of students during independent learning. **Indicative Key Learning Resources** Key learning resources will be negotiated between teaching staff and individual students, depending on the topic chosen for the project. **Careers/Industry Links** This subject is important in the field of eHealth and biomedical informatics, i.e. work that concerns the acquisition, storage, retrieval and use of information in, about and for human health, and the design and management of related solutions to advance the understanding and practice of healthcare. This subject is offered jointly by the Faculty of Engineering and the Faculty of Medicine, Dentistry and Health Sciences, and also uses expertise from industry and government. In particular, this subject prepares students to undertake further independent research in academic or industry settings.

Related Course(s):	Master of Information Technology Master of Information Technology
Related Majors/Minors/ Specialisations:	MIT Health Specialisation