INFO30006 Information Management Techniques

Credit Points:	12.5		
Level:	3 (Undergraduate)		
Dates & Locations:	2015, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.		
Time Commitment:	Contact Hours: 3 hours contact per week Total Time Commitment: 170 hours		
Prerequisites:	Two level two subjects from the following areas of study: # COMP # SWEN # INFO # SINF # ISYS		
Corequisites:	None		
Recommended Background Knowledge:	None		
Non Allowed Subjects:	Students cannot enrol in and gain credit for this subject and:		
	Subject	Study Period Commencement:	Credit Points:
	SINF30007 Distributed Information	Not offered 2015	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.		
Coordinator:	Assoc Prof Martin Gibbs		
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Subject Overview:	Aims Knowledge is one of an organization's most valuable assets. information, organizations need to manage and control their to achieve the most benefit from them. The exponential grow new developments in networking and collaboration technolog information is managed and controlled. Topics include: the d and knowledge; mechanisms and processes to classify, mar and knowledge; security threats to these assets; strategies a information; best practice security governance and business issues associated with information security and protection. For Bachelor of Science students this is a required subject ir elective subject in the Science Informatics major. This subject for other Bachelor degrees and is an elective in the Working	. Since knowledge is der information and knowled wh of information togethe gies impact on ways in v lifference between data, hage and control informa and countermeasures to continuity; and legal and h the Informatics major a ct is available as a breact with Information breadtl	ived from dge assets er with vhich information ttion protect d ethical and an dth subject n track.

	Indicative Content	
	Techniques of analysis and design likely to be learned are: Soft System Methodology; Work Systems Analysis; Knowledge Management; Business Process Modelling Notation; Risk Assessment and Risk Management. Real world cases examined are likely to be in the following domains: banking; software industry; retail; creative/fashion industry; manufacturing; emergency management.	
Learning Outcomes:	Intended Learning Outcomes (ILOs)	
	On completion of this subject the student is expected to:	
	 Discern data from information and information from knowledge Select and apply appropriate information management mechanisms and techniques Apply semantic aspects and structures to model information and knowledge Understand security threats and the need to protect information and knowledge Identify and propose security management principles and strategies to protect information and knowledge. 	
Assessment:	A 1000 word analysis report (10%) supported by a 20-minute presentation (10%) by a group of 3 students, both due mid-semester, requiring approximately 20-25 hours of work per student. A 1000 word design report (10%) supported by a 20-minute presentation (10%) by a group of 3 students, both due towards the end of semester, requiring approximately 20-25 hours of work per student. Individual participation in seminar activities throughout the semester (10%), requiring approximately 10-13 hours of work. 2-hour examination held in the examination period (50%) Hurdle requirement: To pass the subject students must obtain at least: 50% overall 25/50 in the examination 25/50 in the other components of assessment combined. Intended Learning Outcomes (ILOs) 1, 2 and 3 are addressed in the mid-semester assessments; ILO 3, 4 and 5 are addressed in the end of semester assessments. All ILOs are addressed in seminar activities through the semester.	
Prescribed Texts:	None	
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2015/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2015/B-COM) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2015/B-ENVS) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2015/B-MUS) You should visit learn more about breadth subjects (http://breadth.unimelb.edu.au/ breadth/info/index.html) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.	
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:	
	# An ability to synthesise information and communicate results effectively	
	# An ability to work effectively as a member of a project team	
	# In-depth critical and independent thinking and reflection skills	
	# An ability to solve problems and communicate solutions both orally and in writing.	
Notes:	Learning and Teaching Methods	
	The subject will be delivered through a combination of lectures, tutorials, group presentations and team-based learning where a group of students will analyse the information manage needs or an organization and design an information management system. Outside class students will study theory and cases through reading and continuing their group activities.	
	Indicative Key Learning Resources	
	Students will have access to lecture notes and lecture slides. The subject LMS site also contains links to recommended literature and other resources.	
	Careers/Industry Links	

	All organizations must manage their information in order to be effective. There is a large range of career opportunities for information managers, analysts and consultants both within and outside the IT industry. There will be one or two lectures from invited practitioners from industry.
Related Majors/Minors/ Specialisations:	Informatics Science-credited subjects - new generation B-SCI and B-ENG. Selective subjects for B-BMED
Related Breadth Track(s):	Working with Information