**INFO30006 Information Security and Privacy** 

	12.5		
Level:	3 (Undergraduate)		
Dates & Locations:	2016, Parkville  This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.		
Time Commitment:	Contact Hours: 36 hours, comprising of one 2 hour lecture and one 1 hour workshop per week. Total Time Commitment: 170 hours		
Prerequisites:	Subject	Study Period Commencement:	Credit Points:
	INFO20003 Database Systems	Semester 2	12.5
Corequisites:	None		
Recommended Background Knowledge:	None		
Non Allowed Subjects:	Subject	Study Period Commencement:	Credit Points:
	ISYS90070 Information Security Consulting	June	12.5
Core Participation	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: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a>		
Requirements:	requirements for this subject are articulated in the Subject Or Assessment and Generic Skills sections of this entry. take all reasonable steps to minimise the impact of disability reasonable adjustments will be made to enhance a student's programs. Students who feel their disability may impact on m subject are encouraged to discuss this matter with a Faculty Equity and Disability Support: <a href="http://services.unime">http://services.unime</a>	and Engagement Policy verview, Learning Outco > It is University policy to upon academic study, as participation in the University the requirements Student Adviser and St	, academic omes, o and versity's s of this udent
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	# Understanding the three Security Principles: Confidentiality, Integrity and Availability (C,I,A) # Understanding how to conduct a Security Risk Assessment # Developing a Security Strategy using Paradigms, Models and Frameworks # Identifying security and privacy issues that drive the need for security # Understanding cryptographic technologies and how they can be applied to security and privacy problems
Learning Outcomes:	Intended Learning Outcomes (ILOs)
	On completion of this subject the student is expected to:
	<ol> <li>Identify a range of security and privacy issues and threats that drive the need for security</li> <li>Understand the three security principles Confidentiality, Integrity and Availability (C,I,A) and how they relate to security threats and technologies</li> <li>Identify a range of security paradigms and models and understand how they can be deployed in a security strategy to protect information and preserve privacy</li> <li>Understand cryptographic technologies and how they can be deployed to protect information and preserve privacy</li> </ol>
Assessment:	20-minute group seminar presentation of an assigned research paper (requiring 10-13 hours work per individual student), (ILOs 1-4 addressed), due Weeks 3-12 (10%) Individual student presentation and group discussion time is no more than 5-10 minutes each per student. 40-minute group management of class discussion on the research paper (requiring 2-5 hours preparation per individual student), (ILOs 1-4 addressed), due Weeks 3-12 (10%) Individual student presentation and group discussion time is no more than 5-10 minutes each per student. 2000-word research report by a group of 3-5 students (requiring 20-25 hours of work per individual student), (ILOs 1 and 2 addressed), due Week 10 (20%) Individual participation in seminar activities throughout the semester (requiring 10-13 hours of work), (ILOs 1-4 addressed), ongoing (10%) 2-hour written closed book exam, (ILOs 1-4 addressed), held in the exam period at the end of semester (50%) Hurdle Requirements: To pass the subject, students must obtain at least 50% (25/50) in the examination a combined total of at least 50% (25/50) in the other components of assessment
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/2016/B-ARTS)  # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2016/B-COM)  # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2016/B-ENVS)  # Bachelor of Music (https://handbook.unimelb.edu.au/view/2016/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

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	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

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