615AA Bachelor of Information Systems

Year and Campus:	2013
CRICOS Code:	020000A
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	300 credit points taken over 36 months
Coordinator:	Science Student Centre
Contact:	**Science Student Centre** The Eastern Precinct (building 138) (between Doug McDonell building and Eastern Resource Centre) *Enquiries* Phone: 13 MELB (13 6352) Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)**
Course Overview:	There is no first year intake into this course after 2008. The degree in information systems focuses on the design, specification, and creation of information systems, and on the human and organisational arrangements needed to use information systems to achieve organisational goals. To cover these increasingly interrelated topics, the course offers study in five key areas: information systems, information technology, organisations, analytical skills, and professional competencies.
Objectives:	The objective of the Bachelor of Information Systems course is to prepare students to be part of teams that imagine, specify, design, justify, build, implement, manage and use information systems. To accomplish this objective, graduates must understand how to use information technology, including hardware, software, and telecommunications, as a conduit for the value-added information content of formal organisational systems. This understanding is based on a solid theoretical grounding in both technology and organisations, as well as on experience working both individually and in teams to apply the theory to practice.

Course Structure & Available Subjects:	The final first year intake into the Bachelor of Information Systems course was at the start of 2008.
	
	Course Requirements
	
	Students must complete a minimum (and maximum) of 300 points of approved studies, comprising:
	
	  # 187.5 points of core subjects in information systems at first, second and third year level (or approved alternatives);
	  # 25 points of information systems elective subjects at third year level;
	  # a 12.5 point subject in a business-oriented discipline;
	  # 75 points of elective subjects including at least 37.5 points at second or third year level;
	
	Students may not undertake more than 112.5 points at first year level towards this course.
	
	A number of changes to subject offerings have occurred in recent years. Many subjects identified as either core or elective in the information systems have been replaced by alternate subjects.
	
	Students requiring specialist advice on subjects to enrol in to fulfil the requirements of the information systems component should contact the Eastern Precinct Student Centre.

Entry Requirements:	There is no first year intake into this course after 2008.
Core Participation Requirements:	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe

	participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
Further Study:	Honours and Masters level studies are available as indicated at **http://www.science.unimelb.edu.au (http://www.science.unimelb.edu.au)**
Graduate Attributes:	Upon completion of the Bachelor of Information Systems course, students should: understand how people use information and information systems; understand the business value of information and information systems in organisations; understand the organisational settings in which information systems are used, including major business functions and processes; have familiarity with, and some experience in, studying large, complex information systems; understand, and be able to specify, the technical aspects of an information system; be able to build small information systems; be familiar with a range of techniques, standards, and tools for building and using large information systems in an organisational setting; be able to participate in imagining, designing, justifying, implementing, and managing large information systems; have professional competencies for effective work in organisations, including listening, writing, researching, analysing, presenting, and working in teams; and know how to operate ethically within society's legal framework.
Generic Skills:	Specific capabilities will be developed through work in the five key areas of the course. 1. Information systems This is the central theme of the course: information systems collect, process, store, and distribute information so that it can be used to make decisions, to keep track of resources, and to plan for the future. Particular focus is placed on imagining, specifying, designing, justifying, building, implementing, managing, and using information systems to add value in organisations. 2. Information technology An understanding of the potential of information technology to add value is essential to the successful implementation and use of information systems. Students will become familiar with computer hardware and software, telecommunications, databases and data structures, information technology architectures, and information technology infrastructures. Practical experience in these areas will help students learn how to assess the current and future capability of information technology. 3. Organizations To implement information systems efficiently and effectively in organisations requires the ability to analyse and understand organisational functions, processes, environments, characteristics, and cultures. This organisational perspective on information systems, and its relationship to the technical perspective developed in the information technology theme, is a distinguishing characteristic of the Bachelor of Information Systems course. 4. Analytical skills Effective design, development, and implementation of information systems in organisations requires a broad range of analytical skills, including data classification and modelling, information mapping and representation, systems analysis and design, and statistics. These and other analytical skills are essential for understanding, and communicating about, complex organisational situations and the potential and performance of information systems. 5. Professional competencies Graduates will, in the course of their jobs, work with people across a broad spectrum of technical and business interests and skills. Success in these interactions will require a well-developed set of personal competencies, including listening, collecting and synthesising information, writing, presenting, and working in teams.