864-AL Master of Information Systems

Year and Campus:	2009
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Graduate/Postgraduate
Duration & Credit Points:	
Coordinator:	Dr Wally SmithEmail: wsmith@unimelb.edu.au
Contact:	Melbourne Graduate School of Science Faculty of Science The University of Melbourne Tel: + 61 3 8344 6404 Fax: +61 3 8344 5803 Web: http://graduate.science.unimelb.edu.au
Course Overview:	The Master of Information Systems (MIS) 200 point program provides an advanced course of study for students who want to understand how information technology can be used to create change and value in an organisation. The MIS is the Department of Information Systems showcase postgraduate coursework suite of programs, designed for IS/IT graduates and professionals looking to take a step up in the IS profession. It is ideal for those planning to work in roles spanning IT and business organisations.
Objectives:	The key objective of the Master of Information Systems is to equip students with capabilities to integrate key information technologies and systems into contemporary organisations. Thus the degree covers knowledge about how IT infrastructure, applications, emerging technologies and systems can be used by organisations. Additionally, it covers the managment capabilities in handling IT strategy, providing IT governance, understanding project lead change, achieving compliance, protecting against threats, and in IT service provision. Those without working knowledge of IT management also require grounding in concrete real-world business processes and the roles assumed by technicians in developing information systems. Additional to the core knowledge areas above, students should also gain a broad business and real world perspective together with experience in applying business communication, interpersonal, and team skills to real situations. Further, critical thinking and analytical skills are honed through a mixture of advanced teaching models including case-based, experiential, and team-based approaches. Finally, specific career directing electives in areas demanded by industry are available for students to round out their information systems education.
Course Structure & Available Subjects:	Students will normally complete four foundation subjects in the areas of business and information systems to complement their first degree studies which may include: # 433-520 Programming and Software Development # 615-570 Database Systems and Information Modelling # 615-502 Fundamentals of Information Systems The specific subjects selected will be determined after consultation with the MIS Coordinator taking into account the academic background of the student. The remaining 150 points will be comprised of the following: 'Lower' Core Subjects: 50 points The following four 'lower' core subjects have no prerequisites and, in a student's first year of full-time study, are normally taken in parallel with the foundation subjects as described above. IS skills # 615-680 Information Technology Infrastructure

615-681 Business Analysis Modelling and Design

IS management

615-682 IS Project and Change Management
615-695 Professional IS Consulting

'Upper' Core Subjects: 50 points

The following four 'upper' core subjects each have a prerequisite of 50 points of study (for students in the 200 point 2 year MIS) and are therefore normally taken in parallel with elective subjects in a student's second year of full-time study in the course.

IS skills

615-671 Business Applications and Architectures
615-652 Emerging Technologies and Issues

IS management

615-660 IS Strategy and Governance
615-683 Impact of Digitisation

Elective Subjects: 50 points

Four elective subjects as approved by the Department of Information Systems. The following information systems elective subjects are available in 2009:

615-644 Data Warehousing
615-655 Business to Business Electronic Commerce
615-656 Knowledge Management Systems
615-657 Enterprise Systems
615-659 Advanced IS Project Management
615-661 Innovation and Entrepreneurship in IT
615-662 Advanced IS Change Management
615-670 Internet Software Development Principles
615-672 Pervasive Computing
615-684 Models of IS Project Management
615-685 Managing In-house IT Service Provision
615-686 ICT Outsourcing Fundamentals
615-687 ICT Contract Law Basics
615-688 ICT Outsourcing Contract Management
615-692 Organisational Behaviour for IS Managers
615-610 Research Methods in Information Systems
615-690 Minor Research Project in IS (25 points)

Further information in regards to elective subjects is available at: http://www.dis.unimelb.edu.au/current/postgrad/subjects/index.html

Subject Options:			
	Subject	**Study Period Commencement:**	**Credit Points:**
	433-520 Programming and Software Development	Semester 1, Semester 2	12.500
	615-570 Database Systems & Information Modelling	Semester 1, Semester 2	12.500
	615-502 Fundamentals of Information Systems	Semester 2	12.500
	615-680 Information Technology Infrastructure	Semester 1, Semester 2	12.500
	615-681 Business Analysis Modeling and Design	Semester 1, Semester 2	12.500
	615-682 IS Project and Change Management	Semester 2	12.500

615-695 Professional IS Consulting	Semester 1, Semester 2	12.500
615-671 Business Applications & Architectures	Semester 1	12.500
615-652 Emerging Technologies and Issues	Semester 2	12.500
615-660 IS Strategy and Governance	Semester 1	12.500
615-683 Impact of Digitisation	Semester 1, Semester 2	12.500
615-644 Data Warehousing	Semester 2	12.500
615-655 Business to Business Electronic Commerce	Semester 2	12.500
615-656 Knowledge Management Systems	Semester 1	12.500
615-657 Enterprise Systems	Semester 2	12.500
615-659 Advanced IS Project Management	Semester 1	12.500
615-661 Innovation & Enterpreneurship in IT	Semester 1	12.500
615-662 Advanced IS Change Management	Semester 1	12.500
615-670 Internet Software Development Principles	Semester 1, Semester 2	12.500
615-672 Pervasive Computing	Semester 1	12.500
615-684 Models of IS Project Management	Semester 2	12.500
615-685 Managing In-house IT Service Provision	Semester 1	12.500
615-686 ICT Outsourcing Fundamentals	Not offered 2009	12.500
615-687 ICT Contract Law Basics	Not offered 2009	12.500
615-688 ICT Outsourcing Contract Management	Semester 2	12.500
615-692 Organisational Behaviour for IS Managers	Not offered 2009	12.500
615-610 Research Methods in Information Systems	Semester 1	12.500
615-690 Minor Research Project in IS	Semester 1, Semester 2	25.000

Entry Requirements:	An undergraduate degree in any discipline with at least H3 (65%) average in the final year of study or equivalent.
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:	An entry pathway to PhD is possible if students complete the following elective subjects: # 615-610 Research Methods in Information Systems; and # 615-690 Minor Research Project in IS (25 points).
Graduate Attributes:	Graduates should have the ability to demonstrate advanced independent critical inquiry, analysis and reflection. The degree has significant engagement and involvement from local and international practicing information systems professionals. Graduating students qualify for membership of the appropriate professional body, the Australian Computer Society, and are informed by the most up-to-date evidence based research in information systems throughout the degree.

Links to further information:	http://graduate.science.unimelb.edu.au