

SINF90006 Internet Software Development Principles

Credit Points:	12.50												
Level:	9 (Graduate/Postgraduate)												
Dates & Locations:	This subject is not offered in 2012. There will be one 3-hour class each week during the 12 teaching weeks of semester. Students are required to attend all classes. Classes consist of lectures and workshop tasks.												
Time Commitment:	Contact Hours: 36 hours comprising 1 three-hour class each week. Total Time Commitment: Students are expected to devote a total of approximately 8 hours per week to this subject. This means that in addition to the three hours per week in class, students should devote approximately 5 hours each week reading and preparing for presentations and working on the assignments.												
Prerequisites:	<p>All of the following subjects:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>COMP90041 Programming and Software Development</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> <tr> <td>SINF90001 Database Systems & Information Modelling</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>COMP90007 Internet Technologies</td> <td>Semester 1, Semester 2</td> <td>12.50</td> </tr> </tbody> </table> <p>MIS students who wish to enrol in SINF90006 but have not completed these prerequisite subjects will require a programming background and will need to obtain permission from the subject coordinator.</p>	Subject	Study Period Commencement:	Credit Points:	COMP90041 Programming and Software Development	Semester 1, Semester 2	12.50	SINF90001 Database Systems & Information Modelling	Semester 1	12.50	COMP90007 Internet Technologies	Semester 1, Semester 2	12.50
Subject	Study Period Commencement:	Credit Points:											
COMP90041 Programming and Software Development	Semester 1, Semester 2	12.50											
SINF90001 Database Systems & Information Modelling	Semester 1	12.50											
COMP90007 Internet Technologies	Semester 1, Semester 2	12.50											
Corequisites:	None												
Recommended Background Knowledge:	None												
Non Allowed Subjects:	None												
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements for this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/												
Contact:	Email: alonie@unimelb.edu.au (mailto:alonie@unimelb.edu.au)												
Subject Overview:	This subject introduces a range of technologies and methodologies in current use in software development targeted to internet applications. Topics include: web application platforms, component based software architecture, component-component communication, and sufficient exposure to enable the student to understand, with a reasonable degree of sophistication, terms such as .NET, SOAP and others in common use. The emphasis will be on design principles and developing an understanding of the architectures and technologies as applied in common business contexts.												
Objectives:	<p>By the end of the course students should:</p> <ul style="list-style-type: none"> # Understand the issues involved in the architecture and design of complex inter- and intra-organisational systems; # Develop the skills to produce high-level models and designs for complex component-based distributed systems # Gain exposure to modern application development frameworks such as .NET and J2EE 												

	# Understand the rationale behind emerging distributed systems technologies such as XML, Web Services and Service Oriented Architectures, and assemble small prototype systems using these technologies
Assessment:	Two individual written assignments (10% each) of 1000 words each, due in weeks 4 and 8 respectively; one team design and implementation assignment due in week 12 (20%); a 2-hour written examination in the examination period (60%).
Prescribed Texts:	There are no prescribed texts for this subject.
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:	Students should develop skills in reading and communicating results found in the related research literature, and enhance independent learning skills.
Related Course(s):	Bachelor of Information Systems (Degree with Honours) Master of Information Systems Master of Information Systems Master of Information Systems Master of Information Technology