INFO30001 Informatics 4: Web Applications

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 48 contact hours Total Time Commitment: Estimated total time commitment of 120 hours.
Prerequisites:	.

Subject	Study Period Commencement:	Credit Points:
INFO20001 Informatics 3: Content Management	Semester 1, Semester 2	12.50

Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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. This subject requires all students to actively and safely participate in laboratory activities. Students who feel their disability may impact upon their participation are encouraged to discuss this with the subject coordinator and the Disability Liaison Unit.
Coordinator:	Dr Atif Ahmad
Contact:	Atif Ahmad **atif@unimelb.edu.au (mailto:atif@unimelb.edu.au)**
Subject Overview:	This subject introduces tools and technologies required to develop and implement applications for the Web. Such applications may integrate Web data in different formats from different sources and deliver it to the user. Students will gain experience in Web architecture, protocols and sessions. Students will also gain experience in creating, manipulating and integrating Web content. These prior and newly acquired practical skills will be used to develop applications for the Web.
Objectives:	After completion of this subject students should be able to: # Understand what is required to design and implement applications for the Web # Have an understanding of Web services and protocols, # Understand how to use and maintain Web sessions # Create, query, transform and prepare content for processing by Web Applications # Use current tools and technologies to develop and implement applications for the Web
Assessment:	A group project (50%) expected to take 48 hours, with three stages: stage one is a requirements business case of a Web application (10%), stage two is a detailed design of this application (15%) and stage three is the final implementable version of the Web application (25%). The stages are due at one-third, two-thirds and end of semester. A two-hour written exam follows at the end of semester (50%).
Prescribed Texts:	None
Recommended Texts:	None

Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2010/B-COM)** # **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2010/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2010/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:	After completion of this subject students should have developed the following generic skills: # the ability to synthesize prior Informatics skills and knowledge # the ability to apply theory to practice # the ability to work effectively as a member of a team # the capacity for independent thought and reflection
Notes:	This subject is available for science credit to students enrolled in the BSc (new degree).
Related Course(s):	Bachelor of Information Systems Bachelor of Science Bachelor of Science and Bachelor of Information Systems
Related Majors/Minors/ Specialisations:	Science Informatics