433-421 Web Technologies and Applications

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Twenty-four hours of lectures and 11 hours of workshops Total Time Commitment: Not available
Prerequisites:	Study at the third-year level in at least four of the following areas: artificial intelligence, computer design, database systems, graphics, interactive system design, networks and communications, operating systems, programming languages, software engineering, and theory of computation. Prior study in the area of database systems would be an advantage.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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: http://services.unimelb.edu.au/disability
Coordinator:	Assoc Prof James Bailey
Subject Overview:	Topics covered include: Web software architectures; languages and standards for data on the World Wide Web: HTTP, XML, XSL, XQuery, XLink and XPath; the Semantic Web and RDF, web mining and crawling.
Objectives:	The objective of this subject is for students to develop an understanding of the concepts and technologies underpinning the World Wide Web.
Assessment:	One project during semester (45%), and a 2-hour end of semester written examination (55%).
Prescribed Texts:	None
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:	Upon successful completion of this subject, students will: # be able to explain the key technologies and standards underpinning the World Wide Web; # be able to explain current technologies used for data mining and querying data on the Web; # be able to research a technical topic and give oral and written presentations of the topic; # be able to undertake problem identification, formulation and solution; # have a capacity for independent critical thought, rational inquiry and self-directed learning; and # have a profound respect for truth and intellectual integrity, and for the ethics of scholarship.

Notes:	Credit may not be gained for both 433-421 Web Technologies and Applications and 433-621 Web Technologies and Applications.
Related Course(s):	Bachelor of Computer Science (Honours) Bachelor of Engineering (Computer Engineering) Bachelor of Engineering (Electrical Engineering) Bachelor of Engineering (Software Engineering)