

COMP90010 Web Technologies and Applications

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: 3 hours per week; Non-contact time commitment: 84 hours Total Time Commitment: Not available
Prerequisites:	433-520 (https://psc.unimelb.edu.au/view/subject/433-520.html) : Programming and Software Development; 433-521 (https://psc.unimelb.edu.au/view/subject/433-521.html) : Algorithms and Complexity; 433-522 (https://psc.unimelb.edu.au/view/subject/433-522.html) : Internet Technologies; 615-570 (https://psc.unimelb.edu.au/view/subject/615-570.html) : Database Systems and Information Modelling or equivalent
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	433 421
Core Participation Requirements:	For the purposes of considering request 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 of 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/
Coordinator:	Assoc Prof James Bailey
Contact:	Melbourne School of Engineering Office Building 173, Grattan Street The University of Melbourne VIC 3010 Australia General telephone enquiries + 61 3 8344 6703 + 61 3 8344 6507 Facsimiles + 61 3 9349 2182 + 61 3 8344 7707 Email eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au)
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:	On successful completion students should have: <ul style="list-style-type: none"> # Acquired an understanding of the concepts and technologies underpinning the World Wide Web. # Be able to explain the key technologies and standards underpinning the World Wide Web # Be able to explain current techniques used for data mining and querying data on the Web
Assessment:	Project work during semester of approximately 48-hours (50%) and one 2-hour written examination at the end of semester (50%).

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:	On successful completion students should: <ul style="list-style-type: none"> # Be able to explain the key technologies and standards underpinning the World Wide Web # Be able to explain current techniques 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
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) Master of Engineering in Distributed Computing Master of Information Technology Master of Software Systems Engineering Postgraduate Certificate in Engineering