

INFO30005 Web Information Technologies

Credit Points:	12.50																							
Level:	3 (Undergraduate)																							
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.																							
Time Commitment:	Contact Hours: 24 one-hour lectures (two per week) and 12 two hour workshops (one per week) Total Time Commitment: 120 hours																							
Prerequisites:	<p>One subject from Group A and one subject from Group B</p> <p>Group A</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO20003 Database Systems</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>INFO20001 Informatics 3: Content Management</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table> <p>Group B</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO20002 Foundations of Informatics</td> <td>Not offered 2012</td> <td>12.50</td> </tr> <tr> <td>INFO10002 Informatics 2: Programming on the Web</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>SWEN20003 Object Oriented Software Development</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	INFO20003 Database Systems	Semester 2	12.50	INFO20001 Informatics 3: Content Management	Semester 1	12.50	Subject	Study Period Commencement:	Credit Points:	INFO20002 Foundations of Informatics	Not offered 2012	12.50	INFO10002 Informatics 2: Programming on the Web	Semester 1	12.50	SWEN20003 Object Oriented Software Development	Semester 2	12.50
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Corequisites:	None																							
Recommended Background Knowledge:	None																							
Non Allowed Subjects:	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO30001 Informatics 4: Web Applications</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	INFO30001 Informatics 4: Web Applications	Not offered 2012	12.50															
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Core Participation Requirements:	<p><p>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.</p> <p>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</p></p>																							
Coordinator:	Dr Rachelle Bosua																							
Contact:	Dr Sean Maynard email: sean.maynard@unimelb.edu.au (mailto:sean.maynard@unimelb.edu.au)																							

Subject Overview:	The Web has radically changed society, politics, science, business and the way people work. This subject introduces the concepts, technologies and standards underpinning the World Wide Web and its applications. You will learn to apply tools and techniques required to design and develop applications for the Web. Topics covered include the infrastructure of the Web; the architecture of Web applications; data representation on the Web; the structure of the Web; Web development processes; multimedia, security and social aspects of the Web.
Objectives:	On completion of this subject, students should be able to: <ul style="list-style-type: none"> # Understand the concepts, technologies and standards underpinning the World Wide Web # Use and evaluate appropriate architectures for Web applications # Use Web technologies and frameworks to develop Web applications # Design and build medium-scale Web applications # Analyse and evaluate the implication of Web applications
Assessment:	A two-stage project (50%) expected to take 36 hours, with stages due in the middle and at the end of semester A 2-hour written examination in the examination period (50%) To pass the subject, students must obtain at least 50% overall 25/50 for the project And 25/50 for the end-of-semester written examination
Prescribed Texts:	None
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: <ul style="list-style-type: none"> # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2012/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2012/B-COM) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2012/B-MUS) <p>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.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	On completion of this subject, students should have developed the following generic skills: <ul style="list-style-type: none"> # An ability to undertake problem identification, formulation and solution # The capacity for critical and independent thought and reflection # An expectation of the need to undertake lifelong learning, and the capacity to do so # The ability to work effectively as a member of a team
Related Course(s):	Diploma in Informatics
Related Majors/Minors/Specialisations:	Computing and Software Systems Informatics Science Informatics Science credit subjects* for pre-2008 BSc, BASc and combined degree science courses Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED.
Related Breadth Track(s):	Working with Information