

# INFO30001 Informatics 4: Web Applications

<b>Credit Points:</b>	12.50								
<b>Level:</b>	3 (Undergraduate)								
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: Semester 2, Parkville - Taught on campus.								
<b>Time Commitment:</b>	Contact Hours: 1 x two hour lecture per week, 1 x two hour workshop per week Total Time Commitment: Estimated total time commitment of 120 hours.								
<b>Prerequisites:</b>	Completion of								
	<table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>INFO20001 Informatics 3: Content Management</td> <td>Not offered 2011</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	INFO20001 Informatics 3: Content Management	Not offered 2011	12.50
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INFO20001 Informatics 3: Content Management	Not offered 2011	12.50							
<b>Corequisites:</b>	None								
<b>Recommended Background Knowledge:</b>	None								
<b>Non Allowed Subjects:</b>	None								
<b>Core Participation Requirements:</b>	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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>								
<b>Coordinator:</b>	Dr Atif Ahmad								
<b>Contact:</b>	Dr Atif Ahmad Email: <a href="mailto:atif@unimelb.edu.au">atif@unimelb.edu.au</a> ( <a href="mailto:atif@unimelb.edu.au">mailto:atif@unimelb.edu.au</a> ) Dr Rachelle Bosua Email: <a href="mailto:rachelle.bosua@unimelb.edu.au">rachelle.bosua@unimelb.edu.au</a> ( <a href="mailto:%20rachelle.bosua@unimelb.edu.au">mailto:%20rachelle.bosua@unimelb.edu.au</a> )								
<b>Subject Overview:</b>	Web applications are complex software systems that require a formal engineering approach. This subject introduces the formal methodology as well as the tools and technologies required to develop and implement applications for the Web. Students will explore issues in the specification, implementation and operation of web applications that will facilitate future development of applications for the Web.								
<b>Objectives:</b>	On completion of this subject students should understand: <ul style="list-style-type: none"> <li># how to develop requirements for a web application</li> <li># how to model web applications</li> <li># Web application architectures</li> <li># security issues with web applications</li> </ul>								
<b>Assessment:</b>	Individual participation and contribution to workshops (20%) throughout the semester; a group assignment (30%) involving practical application of tools and technologies in the context of Web applications which should take no longer than 20 hours and is due in week 12; a two-hour written examination in the examination period (50%).								
<b>Prescribed Texts:</b>	None								

<b>Recommended Texts:</b>	None
<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-COM">https://handbook.unimelb.edu.au/view/2011/B-COM</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-ENVS">https://handbook.unimelb.edu.au/view/2011/B-ENVS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2011/B-MUS">https://handbook.unimelb.edu.au/view/2011/B-MUS</a>)</li> </ul> <p>You should visit <b>learn more about breadth subjects</b> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	<p>After completion of this subject students should have developed the following generic skills:</p> <ul style="list-style-type: none"> <li># the ability to synthesize prior Informatics skills and knowledge</li> <li># the ability to apply theory to practice</li> <li># the ability to work effectively as a member of a team</li> <li># the capacity for independent thought and reflection</li> </ul>
<b>Notes:</b>	This subject is available for science credit to students enrolled in the BSc (new degree).
<b>Related Course(s):</b>	Bachelor of Science Diploma in Informatics
<b>Related Majors/Minors/ Specialisations:</b>	Science Informatics
<b>Related Breadth Track(s):</b>	Information and the Web Informatics A