

INFO20003 Database Systems

Credit Points:	12.50															
Level:	2 (Undergraduate)															
Dates & Locations:	This subject is not offered in 2013.															
Time Commitment:	Contact Hours: 48 hours, comprising of two 1-hour lectures and one 2-hour workshop per week Total Time Commitment: 120 hours															
Prerequisites:	<p>One of the following:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>COMP10001 Foundations of Computing</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>COMP20005 Engineering Computation</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>COMP10002 Foundations of Algorithms</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>INFO10002 Informatics 2: Programming on the Web</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>or achieving 75% in the programming competency test</p>	Subject	Study Period Commencement:	Credit Points:	COMP10001 Foundations of Computing	Semester 2	12.50	COMP20005 Engineering Computation	Semester 1	12.50	COMP10002 Foundations of Algorithms	Not offered 2013	12.50	INFO10002 Informatics 2: Programming on the Web	Not offered 2013	12.50
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COMP10001 Foundations of Computing	Semester 2	12.50														
COMP20005 Engineering Computation	Semester 1	12.50														
COMP10002 Foundations of Algorithms	Not offered 2013	12.50														
INFO10002 Informatics 2: Programming on the Web	Not offered 2013	12.50														
Corequisites:	None															
Recommended Background Knowledge:	None															
Non Allowed Subjects:	<p>Students cannot enrol in and gain credit for this subject and:</p> <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 2013</td> <td>12.50</td> </tr> <tr> <td>SINF90001 Database Systems & Information Modelling</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>INFO20003 Database Systems</td> <td>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table> <p>433-351 Database Systems 615-230 Database Concepts</p>	Subject	Study Period Commencement:	Credit Points:	INFO20001 Informatics 3: Content Management	Not offered 2013	12.50	SINF90001 Database Systems & Information Modelling	Not offered 2013	12.50	INFO20003 Database Systems	Not offered 2013	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>															
Contact:	Email: sean.maynard@unimelb.edu.au (mailto:sean.maynard@unimelb.edu.au)															
Subject Overview:	Contemporary online services such as social networking and multimedia-sharing sites, massive multiplayer online games and commerce services are built on content management and database systems. In this subject, students will learn how to build their own domain-specific content management system, combining web technologies with database technologies. This subject is core within the Bachelor of Science for the Major of Computing and Software Systems															

	and the Major of Informatics. Students completing the Diploma of Informatics are also required to undertake this subject.
Objectives:	<p>On completion of this subject students should be able to:</p> <ul style="list-style-type: none"> # Demonstrate proficiency in solving practical data-modelling tasks # Design content-management systems using relational database techniques # Use SQL to interact with a relational database # Develop a web-based database application # Use database transactions
Assessment:	A database implementation project, with an internet interface (30%) completed in groups of 4, equivalent 4000 words, due in week 12 of semester (addressing ILO's 2-4) A mid-semester test (10%) (addressing ILO's 1-3) 2-hour examination held in the examination period (60%) (addressing ILO's 1-3 and 5) To pass the subject, students must obtain at least: 15/30 in project work And 35/70 in the mid-semester test and end-of-semester written examination combined
Prescribed Texts:	None
Breadth Options:	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> # Bachelor of Arts (https://handbook.unimelb.edu.au/view/2013/B-ARTS) # Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2013/B-COM) # Bachelor of Environments (https://handbook.unimelb.edu.au/view/2013/B-ENVS) # Bachelor of Music (https://handbook.unimelb.edu.au/view/2013/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:	<p>On completion of this subject students should have developed the following generic skills:</p> <ul style="list-style-type: none"> # The ability to analyse and solve problems involving large amounts of real-world data # The ability to synthesise information and communicate results effectively # The ability to work effectively as a member of a project team # The capacity for critical and independent thought and reflection # The ability to apply knowledge of basic science and engineering fundamentals # The ability to undertake problem identification, formulation and solution
Related Majors/Minors/Specialisations:	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 Computing