

## 615-230 Database Concepts

<b>Credit Points:</b>	12.500
<b>Level:</b>	Undergraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 24 lectures (two 1-hour lecture per week), 11 tutorials (one hour per week), 12 laboratory sessions (one hour per week), a minimum of 12 hours of unsupervised project group work during the semester and up to 5 hours of additional study per week. Total Time Commitment: 120 hours
<b>Prerequisites:</b>	615-145 Concepts in Software Development I.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	Students may not gain credit for both this subject and either 433-351 or 433-258.
<b>Core Participation Requirements:</b>	It is University policy to take all reasonable steps to minimise the impact of disability upon academic study and reasonable steps will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact upon their active and safe participation in a subject are encouraged to discuss this with the relevant subject coordinator and the Disability Liaison Unit.
<b>Coordinator:</b>	Dr Sherah Kurnia
<b>Subject Overview:</b>	<p>This subject provides an introduction to the concepts of database management. The subject examines the development of database management which include database analysis, design and implementation. In addition, advanced database topics such as data administration, multi-tier/client-server databases, distributed databases and data warehousing are also covered. At the conclusion of this subject students should be able to:</p> <ul style="list-style-type: none"> <li># perform conceptual data modelling using the basic and enhanced entity-relationship modelling techniques and implement developed models in a relational database management system;</li> <li># create, define, enter data, and query (using SQL) a relational database;</li> <li># develop a client-server database application;</li> <li># describe the role databases play in modern enterprises; and</li> <li># describe the key activities in information resource management and their relationship to the organisation</li> </ul>
<b>Assessment:</b>	Individual data modelling work during semester (15%); a group project due during the semester (25%); ongoing tutorial/laboratory work during the semester (10%); a 2-hour written examination in the examination period (50%). Satisfactory completion of the examination, modelling, project and tutorial work is necessary to pass the subject.
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<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>Related Course(s):</b>	Bachelor of Information Systems