

615-644 Data Warehousing

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 2, - Taught on campus. Seminars
Time Commitment:	Contact Hours: 3 hours of seminar discussion per week. Total Time Commitment: Three hours of seminar discussion per week. Students are expected to attend all seminars and actively participate. This requires reading relevant material before the seminar. Students who miss two or more seminars will be required to show cause why they should not be failed in the subject. Students should expect to devote 10-12 hours per week to a single semester unit, with up to 9 hours each week preparing for the class and completing assignments and 3 hours each week in class.
Prerequisites:	Sufficient to qualify for entry to the Postgraduate Diploma in Information Systems.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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:	Prof. Graeme Shanks
Subject Overview:	<p>Data warehouses are designed to provide organizations with an integrated set of high quality data to support decision-makers. They should support flexible and multi-dimensional retrieval and analysis of data. Topics covered include data warehousing and decision-making, data warehouse design, data warehouse implementation, data sourcing and data quality, on-line analytical processing (OLAP) and data mining, customer relationship management systems, and case studies of data warehousing practice.</p> <p>On completion of this subject, students should:</p> <ol style="list-style-type: none"> 1 be familiar with data ware housing and its relationship to decision-making; 2 understand the main concepts underlying data warehouse design and implementation, data quality and retrieval and analysis of data 3 be familiar with the role of data warehousing in customer relationship management systems.
Assessment:	Written assignments and project work totalling no more than 6000 words due during the semester (60%); a 2-hour written examination in the examination period (40%). Further details will be made available to students prior to the commencement of the subject.
Prescribed Texts:	Shanks, G. (2007). Data Warehousing: Selected Readings , available at the University of Melbourne Book Shop.
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:	Students should develop skills in literature search and analysis, critical thinking and independent learning.
Links to further information:	http://www.dis.unimelb.edu.au/current/postgrad/subjects/index.html
Related Course(s):	Master of Information Systems Master of Information Systems Master of Information Systems (Coursework)