ISYS30008 Business Analytics

Credit Points:	12.50
Level:	3 (Undergraduate)
Dates & Locations:	This subject is not offered in 2011.
Time Commitment:	Contact Hours: 1 x two hour lecture per week, 1 x one hour tutorial/practical session per week. Total Time Commitment: Estimated total time commitment of 120 hours
Prerequisites:	Completion of

Subject	Study Period Commencement:	Credit Points:
ISYS20006 Shaping the Enterprise with ICT	Not offered 2011	12.50

Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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: http://www.services.unimelb.edu.au/disability/
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Subject Overview:	Business analytics involves the use of data to support business decision-making. Topics covered include business decision-making, evidence-based management, data warehouse design and implementation, data sourcing and quality, on-line analytical processing (OLAP), dashboards and data mining, case studies of business analytics practice.
Objectives:	On completion of this subject students should: # be familiar with business analytics and its relationship to decision-making; # understand the main concepts underlying data warehouse design and implementation, data quality and retrieval and analysis of data; # be familiar with the use of business analytics in practice.
Assessment:	A 2-hour formal examination (50%) in the examination period; a written assignment about data warehouse design, based on a case study, of approximately 2000 words (25%) – due mid-semester; a written assignment about creation of an analytical report, based on a case study, of approximately 2000 words (25%) – due end-semester.
Prescribed Texts:	None
Breadth Options:	This subject potentially can be taken as a breadth subject component for the following courses: # **Bachelor of Biomedicine (https://handbook.unimelb.edu.au/view/2011/B-BMED)** # **Bachelor of Commerce (https://handbook.unimelb.edu.au/view/2011/B-COM)**

	# **Bachelor of Environments (https://handbook.unimelb.edu.au/view/2011/B-ENVS)** # **Bachelor of Music (https://handbook.unimelb.edu.au/view/2011/B-MUS)** # **Bachelor of Science (https://handbook.unimelb.edu.au/view/2011/B-SCI)** # **Bachelor of Engineering (https://handbook.unimelb.edu.au/view/2011/B-ENG)** 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.
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: # High level of development: collaborative learning; problem solving; team work; interpretation and analysis; critical thinking # Moderate level of development: oral communication; written communication
Related Breadth Track(s):	Information Systems B Information Systems A Information Technology in Organisations