

# ISYS30008 Business Analytics

<b>Credit Points:</b>	12.50									
<b>Level:</b>	3 (Undergraduate)									
<b>Dates &amp; Locations:</b>	This subject is not offered in 2012.									
<b>Time Commitment:</b>	Contact Hours: 1 two-hour lecture per week, 1 one-hour tutorial/practical session per week. Total Time Commitment: 120 hours									
<b>Prerequisites:</b>	<p>Select 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>ISYS20006 Shaping the Enterprise with ICT</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ISYS20007 ECommerce</td> <td>Not offered 2012</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	ISYS20006 Shaping the Enterprise with ICT	Semester 1	12.50	ISYS20007 ECommerce	Not offered 2012	12.50
Subject	Study Period Commencement:	Credit Points:								
ISYS20006 Shaping the Enterprise with ICT	Semester 1	12.50								
ISYS20007 ECommerce	Not offered 2012	12.50								
<b>Corequisites:</b>	None									
<b>Recommended Background Knowledge:</b>	None									
<b>Non Allowed Subjects:</b>	None									
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>									
<b>Contact:</b>	email: <a href="mailto:sean.maynard@unimelb.edu.au">sean.maynard@unimelb.edu.au</a> (mailto:sean.maynard@unimelb.edu.au)									
<b>Subject Overview:</b>	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.									
<b>Objectives:</b>	<p>On completion of this subject students should:</p> <ul style="list-style-type: none"> <li># Be familiar with business analytics and its relationship to decision-making;</li> <li># Understand the main concepts underlying data warehouse design and implementation, data quality and retrieval and analysis of data;</li> <li># Be familiar with the use of business analytics in practice.</li> </ul>									
<b>Assessment:</b>	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.									
<b>Prescribed 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 Biomedicine</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-BMED">https://handbook.unimelb.edu.au/view/2012/B-BMED</a>)</li> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-COM">https://handbook.unimelb.edu.au/view/2012/B-COM</a>)</li> </ul>									

	<p># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-ENVS">https://handbook.unimelb.edu.au/view/2012/B-ENVS</a>)</p> <p># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-MUS">https://handbook.unimelb.edu.au/view/2012/B-MUS</a>)</p> <p># <b>Bachelor of Science</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-SCI">https://handbook.unimelb.edu.au/view/2012/B-SCI</a>)</p> <p># <b>Bachelor of Engineering</b> (<a href="https://handbook.unimelb.edu.au/view/2012/B-ENG">https://handbook.unimelb.edu.au/view/2012/B-ENG</a>)</p> <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>On completion of this subject students should have developed the following generic skills:</p> <ul style="list-style-type: none"> <li># High level of development: collaborative learning; problem solving; team work; interpretation and analysis; critical thinking</li> <li># Moderate level of development: oral communication; written communication</li> </ul>
<b>Related Breadth Track(s):</b>	Information Technology in Organisations