

## H8BSA: Business Systems Analysis

Module Code:	H8BSA
Long Title	Business Systems Analysis <b>APPROVED</b>
Title	Business Systems Analysis
Module Level:	LEVEL 8
EQF Level:	6
EHEA Level:	First Cycle
Credits:	5
Module Coordinator:	EUGENE O'LOUGHLIN
Module Author:	EUGENE O'LOUGHLIN
Departments:	School of Business
Specifications of the qualifications and experience required of staff	
<b>Learning Outcomes</b>	
<i>On successful completion of this module the learner will be able to:</i>	
<b>#</b>	<b>Learning Outcome Description</b>
LO1	Apply the standards, knowledge, and competencies of the business analysis discipline based on internationally recognised methodologies, e.g. BABOK® Guide (Business Analysts Body of Knowledge, v.3).
LO2	Critically analyse the role of the Business Analyst and information systems in the three key business areas of Management, Technology, and Organization where, for example different methodologies such as Waterfall or Agile are used.
LO3	Examine techniques for requirements elicitation and analysis to drive business change, and to improve business processes.
LO4	Analyse and compare a range of Requirements Elicitation and Problem-Solving techniques used by Business Analysts.
LO5	Collaborate with Subject Matter Experts to recommend a solution based on business value and consideration of the organisation's Resources and Capabilities.
<b>Dependencies</b>	
<b>Module Recommendations</b>	
No recommendations listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Entry requirements</b>	

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Module Content & Assessment			
Indicative Content			
<b>1. An Introduction Business Systems Analysis (20%)</b> • The role of the Business Analyst • Making Sense of Data and Information • The role of Business Information Systems • The Business Analysis Core Concept Model • Organisational Competencies and Capabilities			
<b>2. The Business Analyst's Underlying Competencies (5%)</b> • Analytical Thinking and Problem Solving • Behavioural Characteristics (e.g. Ethics, Personal Accountability) • Business Knowledge			
<b>3. The Agile Perspective (15%)</b> • An Introduction to Agile • The Role of the Business Analyst in an Agile environment • The Agile Team • Agile Approaches and Techniques			
<b>4. Requirements Elicitation (15%)</b> • Prepare for Elicitation • Conduct Elicitation • Confirm Elicitation Results • Communicate Business Analysis Information • Manage Stakeholder Collaboration			
<b>5. Requirements Analysis (10%)</b> • Specify and Model Requirements • Verify and Validate Requirements • Define Requirements Architecture • Define Design Options • Analyses Potential Value and Recommend Solution			
<b>6. Business Need Analysis and Action (5%)</b> • S.O.W.T Analysis • The Balanced Scorecard • Making the Business Case			
<b>7. Value Assessment (5%)</b> • Value Analysis • Value Chain • Activity Mapping			
<b>8. Further Techniques and Tools for Business Analysts (20%)</b> • Design Thinking • Flow Charting / Business Process Modelling • SIPOC Diagrams • Data Flow Diagrams • Decision Analysis • Data Mining • Importance-Performance matrices • Use Cases • Risk			
<b>9. Selection Criteria (5%)</b> • Selection criteria • Measure Solution Performance • Assess Solution Limitations • Qualitive and Quantitative Measures			
Assessment Breakdown			%
Coursework			100.00%
Assessments			
Part Time			
Coursework			
<b>Assessment Type:</b>	Assignment	<b>% of total:</b>	40
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,2,3
<b>Non-Marked:</b>	No		
<b>Assessment Description:</b> This assignment will assess students' understanding and knowledge of learning outcomes related to LO1, LO2, and LO3. Students will be required to complete a 1,500 word assignment that demonstrates an ability to use requirements elicitation techniques typically used in business analysis tasks. For example Tasks requiring: (1) Decision Making: Cost Benefit Analysis (2) Value Analysis: Activity Mapping analysis and identification of areas for improvement (3) Business Need Analysis and Action Using PEST SWOT analysis to reflect on changing business or operational environments with a view to planning for change			
<b>Assessment Type:</b>	Project	<b>% of total:</b>	60
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,2,3,4,5
<b>Non-Marked:</b>	No		
<b>Assessment Description:</b> To reflect the integration of learning inherent in a level 8 programme, an integrative assessment ranging across the three modules has been introduced in the programme. This takes the form of a case study or research project which requires learners to demonstrate their ability to develop cross-disciplinary solutions to the problems raised in the case study or research project. Learners will be marked on their integrative abilities and demonstration of subject specific knowledge (LO1 – LO5). This piece of work constitutes part of the continuous assessment component of the following three modules: 1. Management of Change 2. Business Systems Analysis 3. Communication Dynamics			
No End of Module Assessment			
No Workplace Assessment			
Reassessment Requirement			
<b>Repeat failed items</b> <i>The student must repeat any item failed</i>			
<b>Reassessment Description</b> Students must pass all components of assessment on the module; a component fail leads to a component repeat. The repeat assessment strategy requires students to complete an assignment to ensure that they have met the minimum learning outcomes. Learners may build on prior work from the assessments.			

## H8BSA: Business Systems Analysis

Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Part Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Lecture	35	Per 15 week block	2.33
Independent Learning	Independent Learning	90	Per Semester	7.50
Total Weekly Contact Hours				2.33

Module Resources	
<i>Recommended Book Resources</i>	
<p>James Robertson,Suzanne Robertson. (2018), Business Analysis Agility, 1st Edition. Addison-Wesley Professional, p.272, [ISBN: 9780134847061].</p> <p>(2017), International Institute of Business Analysis (IIBA) and Agile Alliance, 2nd Edition. An Agile Extension, [ISBN: 978-1-927584-07-1].</p> <p>(2017), IIBA Global Business Analysis Core Standard, International Institute of Business Analysis, [ISBN: 978-1-927584-09-5].</p> <p>IIBA. (2015), A Guide to the Business Analysis Body of Knowledge (Babok Guide), 3rd Edition. International Institute of Business Analysis (IIBA), Toronto, [ISBN: 1927584027].</p> <p>KENNETH C.. LAUDON LAUDON (JANE P.),Jane P. Laudon. (2019), Management Information Systems, Pearson, Harlow, [ISBN: 1292296569].</p> <p>Jim Robert Highsmith,Linda Luu,David Robert Robinson. (2019), Edge, 1st Edition. Addison-Wesley Professional, p.224, [ISBN: 978-0-13-526307-5].</p>	
<i>Supplementary Book Resources</i>	
<p>Thomas M. Siebel. (2019), Digital Transformation, 1st Edition. RosettaBooks, p.256, [ISBN: 1948122480].</p> <p>Gerry Johnson. (2018), Fundamentals of Strategy, 4th Edition. Pearson, Harlow, [ISBN: 978-1-292-20906-7].</p> <p>Eugene O'Loughlin. (2015), An Introduction to Business Systems Analysis, 2nd Edition. The Liffey Press, Dublin, p.298, [ISBN: 1905785615].</p> <p>John S. Oakland,Mike Turner. (2014), Total Quality Management and Operational Excellence, 4th Edition. Routledge, New York, [ISBN: 978-0-415-63549-3].</p> <p>Paul, D., Yeates, D., &amp; Cadle, J.. (2014), Business Analysis, 3rd Edition. Chartered Institute for IT, Swindon, p.302.</p> <p>James Cadle,Debra Paul,Paul Turner. (2014), Business Analysis Techniques, 2nd Edition. BCS, The Chartered Institute for IT, Swindon, p.356, [ISBN: 1780172737].</p> <p>James M. Higgins. (2006), 101 Creative Problem Solving Techniques, 2nd Edition. New Management Publishing Company, Florida, p.241, [ISBN: 1883629055].</p>	
<i>This module does not have any article/paper resources</i>	
<i>Other Resources</i>	
<p>[Website], Agile Methodology, <a href="https://www.youtube.com/watch?v=9TycLR0T qFAhttps://www.youtube.com/watch?v=XU0II RItYFM">https://www.youtube.com/watch?v=9TycLR0T qFAhttps://www.youtube.com/watch?v=XU0II RItYFM</a></p> <p>[Website], Problem-Solving, <a href="https://www.youtube.com/playlist?list=PL 9F789252CC28FB3A">https://www.youtube.com/playlist?list=PL 9F789252CC28FB3A</a></p> <p>[Website], Basis Statistics in Excel, <a href="https://www.youtube.com/playlist?list=PL fGMkZaH76AkwGs1E1jHL3fZrc78sopeZ">https://www.youtube.com/playlist?list=PL fGMkZaH76AkwGs1E1jHL3fZrc78sopeZ</a></p> <p>[Website], How to use Excel – What if Analysis, <a href="https://www.youtube.com/watch?v=STTYxT6i Fio">https://www.youtube.com/watch?v=STTYxT6i Fio</a></p> <p>[Website], An Introduction to Tableau, <a href="https://www.youtube.com/watch?v=jEgVto5Q ME8">https://www.youtube.com/watch?v=jEgVto5Q ME8</a></p>	
Discussion Note:	