

Title:	Business Systems Analysis APPROVED
Long Title:	Business Systems Analysis
Language of Instruction:	English
Module Code:	H8BSA
Credits:	5
NFQ Level:	LEVEL 8
Field of Study:	Management and administration
Module Delivered in	no programmes
Module Coordinator:	EUGENE O'LOUGHLIN
Module editor:	EUGENE O'LOUGHLIN
Teaching and Learning Strategy:	The teaching strategy involves the use of lectures, tutorials, independent learning, class discussions, and formative assessment as appropriate. Additionally learners will have access to web and phone-based support for up to six months after the date of the last class.
Learning Environment:	Classes will be conducted in the Executive Education suite of classrooms at the National College of Ireland, or at the training premises of the Irish Computer Society. Learning will take place in classrooms with wireless access to IT resources. Learners will have access to library resources, both physical and electronic, and to Faculty outside of the classroom where required. Module materials will be placed on Moodle, the College's content management system.
Module Description:	The aim of this module is to provide learners with a broad range of proven techniques for understanding, measuring, analysing, and improving productivity, capacity, quality, and business processes. Learners will gain an ability to apply problem solving and creative thinking across a range of business problems and solutions. This programme makes use of the International Institute of Business Analysis (IIBA) Business Analysis Body of Knowledge (BABOK).
Learning Outcomes	
<i>On successful completion of this module the learner will be able to:</i>	
LO1	Critically analyse the role of the Business Analyst and information systems in the three key business areas of Management, Technology, and Organization
LO2	Analyse and compare a range of Requirements Elicitation techniques
LO3	Propose solutions to complex problems by using Requirements Analysis to identify performance gaps or discrepancies
LO4	Analyse and compare a range of problem solving techniques used typically by the Business Analyst
LO5	Evaluate methodologies to control and improve performance
Pre-requisite learning	
Module Recommendations	
<i>This is prior learning (or a practical skill) that is required before enrolment on this module. While the prior learning is expressed as named NCI module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).</i>	
No recommendations listed	
Requirements	
<i>This is prior learning (or a practical skill) that is mandatory before enrolment in this module is allowed. You may not enrol on this module if you have not acquired the learning specified in this section.</i>	
No requirements listed	

Module Content & Assessment

Indicative Content
An Introduction Business Systems Analysis (20%) • The role of the Business Analyst • Making Sense of Data and Information • The role of Business Information Systems • The Business Analysis Core Concept Model
Requirements Elicitation (15%) • Prepare for Elicitation • Conduct Elicitation • Confirm Elicitation Results • Communicate Business Analysis Information • Manage Stakeholder Collaboration
Requirements Analysis (10%) • Specify and Model Requirements • Verify Requirements • Validate Requirements • Define Requirements Architecture • Define Design Options • Analyses Potential Value and Recommend Solution
Analysis Tools for Problem Identification (5%) • Cause and Effect Diagrams • Check Sheets
Analysis Tools for Identifying Improvement Priorities (5%) • Pareto Analysis • Value Analysis
Analysis Tools for Decision Making (10%) • SWOT Analysis • PEST Analysis • Cost-Benefit Analysis • Decision Modelling
Analysis Tools for Identifying Processes (5%) • Flow Charting • SIPOC Diagrams • Business Model Canvas
Analysis Tools for Problem Solving (10%) • Project Network Diagrams • Use Cases • Capacity Planning
Analysis Tools for Process Improvement (5%) • SREDIM • Radar Charts
Controlling and Improving Processes (20%) • Performance Measurement • Benchmarking • Improvement Priorities • Importance-Performance matrices

Assessment Breakdown	%
Coursework	100.00%

Full Time

Coursework				
Assessment Type	Assessment Description	Outcome addressed	% of total	Assessment Date
Assignment	<p>This assignment will assess student's 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.</p> <p>Indicative problems to be solved will include, but is not limited to, the following:</p>			

Problem identification (eg. Cause and Effect Analysis)
Improvement priorities identification (eg Pareto Analysis)
Decision making (eg Cost-benefit Analysis)

Project

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. Communications and Consultancy

1,2,3,4,5 60.00 n/a

No End of Module Assessment

No Workplace Assessment

Reassessment Requirement

Repeat failed items

The student must repeat any item failed

NCIRL reserves the right to alter the nature and timings of assessment

Module Workload

This module has no Full Time workload.

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	190	Per 15 week block	12.67
	Total Hours			225.00
	Total Weekly Learner Workload			15.00
	Total Weekly Contact Hours			2.33

Module Resources

Recommended Book Resources

O'Loughlin, E. 2015, *An Introduction to Business Systems Analysis*, 2nd Ed., The Liffey Press Dublin [ISBN: 1905785615]

Paul, D., Yeates, D., & Cadle, J. 2014, *Business Analysis*, 3rd Ed., BCS, The Chartered Institute for IT Swindon, UK [ISBN: 178017277]

Cadle, J. Paul, D., & Turner, P. 2013, *Business Analysis Techniques: 99 Essential Tools for Success*, 2nd Ed., BCS, The Chartered Institute for IT Swindon, UK [ISBN: 1780172737]

International Institute of Business Analysis (IIBA) 2015, *A Guide to the Business Analysis Body of Knowledge® (BABOK® Guide)*, Version 3 Ed., International Institute of Business Analysis (IIBA) Toronto, Canada [ISBN: 1927584027]

Supplementary Book Resources

Slack, N., Brandon-Jones, A. & Johnston, R. 2013, *Operations Management*, 7th Ed., Pearson Harlow, United Kingdom [ISBN: 0273776207]

Laudon, K., & Laudon, J.P. 2013, *Management Information Systems*, 13th Ed., Pearson Harlow, United Kingdom [ISBN: 027378997]

Michalski, W.J. 2003, *Six Sigma Tool Navigator*, 1st Ed., Productivity Press New York [ISBN: 1563272954]

Higgins, J.M. 2006, *101 Creative Problem Solving Techniques*, 2nd Ed., New Management Publishing Company Winter Park, Florida [ISBN: 1883629055]

Brandon-Jones, A. & Slack, N. 2008, *Quantitative Analysis in Operations Management*, 1st Ed., Pearson Education Limited Harlow, United Kingdom [ISBN: 0273708481]

This module does not have any article/paper resources

This module does not have any other resources