

## H8DGSE: Data Governance, Security and Ethics

<b>Module Code:</b>	H8DGSE
<b>Long Title</b>	Data Governance, Security and Ethics <b>APPROVED</b>
<b>Title</b>	Data Governance, Security and Ethics
<b>Module Level:</b>	LEVEL 8
<b>EQF Level:</b>	6
<b>EHEA Level:</b>	First Cycle
<b>Credits:</b>	10
<b>Module Coordinator:</b>	
<b>Module Author:</b>	MICHAEL BRADFORD
<b>Departments:</b>	School of Computing
<b>Specifications of the qualifications and experience required of staff</b>	Masters' Degree or PhD in a computing or cognate discipline. May have industry experience also.
<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	Rationalise and discuss the regulatory environment as a variable in the commercial environment. Data protection and GDPR as key constraints in the business environment to be reflected in the internal environment of the organisation.
LO2	Be able to critically appraise the data governance in an organisation and build an effective data governance structure tailored to an organisation's needs.
LO3	Contextualise Data Governance within the Corporate Governance and Corporate Strategy and appreciate the boundary spanning elements and need to build a broad based data governance team.
LO4	Critically evaluate how to place security and data protection issues within the risk management strategy of the organisation.
LO5	Analyse ethical constructs and their dynamic evolution within a ICT data environment.
<b>Dependencies</b>	
<b>Module Recommendations</b>	
No recommendations listed	
<b>Co-requisite Modules</b>	
No Co-requisite modules listed	
<b>Entry requirements</b>	Learners should have attained the knowledge, skills and competence gained from stage 3 of the BSc (Hons) in Data Science

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Module Content & Assessment			
<b>Indicative Content</b>			
<b>Introduction</b> Consideration of the regulatory environment of Data Governance			
<b>Corporate Organisational Environment</b> Corporate Governance, Strategic Management and Data Governance			
<b>Role of the CDO</b> Role in relation to other data users, establishment of a data governance structure with shared ownership			
<b>CDO Agenda</b> Data as an asset and data as a liability and data compliance			
<b>CDO in at "C level"</b> Data Governance and the objectives of the organisation. Facilitating best outcomes			
<b>GDPR</b> Data Regulation and its importance to the organisation and the role of CDO			
<b>GDPR</b> Data Processing and Privacy			
<b>IP Law</b> Each of the categories of Intellectual Property will be considered			
<b>Security</b> Building security into a data governance structure			
<b>Security</b> Cybersecurity			
<b>Ethics</b> Ethical concepts and their application to data organisations			
<b>Ethics</b> Ethical Decision Making			
<b>Assessment Breakdown</b>			<b>%</b>
Coursework			40.00%
End of Module Assessment			60.00%
<b>Assessments</b>			
<b>Full Time</b>			
<b>Coursework</b>			
<b>Assessment Type:</b>	Formative Assessment	<b>% of total:</b>	Non-Marked
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,2,3,4,5
<b>Non-Marked:</b>	Yes		
<b>Assessment Description:</b> Ongoing independent and group problem solving activities and feedback.			
<b>Assessment Type:</b>	Continuous Assessment	<b>% of total:</b>	40
<b>Assessment Date:</b>	n/a	<b>Outcome addressed:</b>	1,2,3,4,5
<b>Non-Marked:</b>	No		
<b>Assessment Description:</b> Student will complete an assignment to related to data governance Life Cycle analysis			
<b>End of Module Assessment</b>			
<b>Assessment Type:</b>	Terminal Exam	<b>% of total:</b>	60
<b>Assessment Date:</b>	End-of-Semester	<b>Outcome addressed:</b>	1,2,3,4,5
<b>Non-Marked:</b>	No		
<b>Assessment Description:</b> Terminal assessment exam to address the students' comprehension of the underlying theories and concepts			
No Workplace Assessment			
<b>Reassessment Requirement</b>			
<b>Repeat examination</b> <i>Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.</i>			
<b>Reassessment Description</b> The repeat strategy for this module is an examination. All learning outcomes will be assessed in the repeat exam.			

## H8DGSE: Data Governance, Security and Ethics

Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Full Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	Classroom & Demonstrations (hours)	24	Per Semester	2.00
Tutorial	Other hours (Practical/Tutorial)	24	Per Semester	2.00
Independent Learning	Independent learning (hours)	202	Per Semester	16.83
Total Weekly Contact Hours				4.00

Module Resources	
<i>Recommended Book Resources</i>	
Seiner , R.. (2014), Non Invasive Data Governance, Technics Publications.	
<i>Supplementary Book Resources</i>	
Smallwood, R. F.. (2015), Information Governance: Concepts, Strategies and Best Practices, Wiley.	
<i>This module does not have any article/paper resources</i>	
<i>This module does not have any other resources</i>	
Discussion Note:	