

## H8DGOV: Data Governance and Cybersecurity

<b>Module Code:</b>	H8DGOV
<b>Long Title</b>	Data Governance and Cybersecurity <b>APPROVED</b>
<b>Title</b>	Data Governance and Cybersecurity
<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>	Simon Caton
<b>Module Author:</b>	Vikas Sahni
<b>Departments:</b>	School of Business
<b>Specifications of the qualifications and experience required of staff</b>	
<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	Illustrate the key data lifecycle stages and reliance on these for effective information governance in real-world settings.
LO2	Explain in detail a broad range of core policy and legal aspects in data governance and compliance for financial applications.
LO3	Describe the requirements to ensure confidentiality, integrity and availability of information and systems.
LO4	Debate the key concepts of risk management and information technology resilience.
LO5	Debate the key concepts of risk management and information technology resilience.
<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	
<b>Indicative Content</b>	
<b>Cybersecurity Concepts</b> Protection of key assets including prioritization of people, processes and technology Key components of a cyber security programme	
<b>Data Lifecycle Management</b> Key stages and components of Data Lifecycle Management Regulatory & Privacy Components (including Data Protection Act) Policies & Enforcement Data Classification Information Governance Reporting	
<b>Data Policy</b> Irish and EU Dimensions	
<b>Legal Aspects</b> Contract Law e-Commerce Law Data Protection Law Contemporary Legal Issues of Virtual Currencies, Blockchain, Financial Services and their Regulation (e.g. RegTech), FinTech Tax	
<b>Risk Assessment &amp; Risk Management</b> Key Risks Management Components (e.g., ability to assess and measure risks) Risk Mitigation Techniques (e.g., reduce / mitigate, transfer, accept, etc.) Cost Benefit Analysis	
<b>Threats to Information &amp; Data Processing Services</b> Understand the threat landscape Typical Attack Methods and Threat Actors / Vectors Impact of cyber-attacks and data breaches Executive interactions and reporting	
<b>Information Security and Risk Management</b> Litigation and e-Discovery Cyber Risk management, cyber-criminal law Insurance and Cyber insurance Fraud detection	
Assessment Breakdown	%
Coursework	50.00%
End of Module Assessment	50.00%
<b>Assessments</b>	
<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>	

## H8DGOV: Data Governance and Cybersecurity

Module Workload				
Module Target Workload Hours 0 Hours				
Workload: Part Time				
Workload Type	Workload Description	Hours	Frequency	Average Weekly Learner Workload
Lecture	No Description	24	Every Week	24.00
Tutorial	No Description	24	Every Week	24.00
Independent Learning	No Description	202	Every Week	202.00
Total Weekly Contact Hours				48.00

Module Resources	
<i>Recommended Book Resources</i>	
<p>Kelleher, Denis.. (2015), Privacy and Data Protection Law in Ireland, Bloomsbury Professional, [ISBN: 1780432038].</p> <p>Taylor, Kevin. FinTech Law: A Guide to Technology Law in the Financial Services Industry., Bloomberg BNA, [ISBN: 1617464392.].</p> <p>Jason Andress. The Basics of Information Security, Syngress, p.208, [ISBN: 1597496537].</p>	
<i>Supplementary Book Resources</i>	
<p>Corey Schou, Steven Hernandez ; technical editors, Flemming Faber, Jill Slay.. Information assurance handbook, ; McGraw-Hill Education, [ISBN: 0071821651].</p> <p>Sivon et al.. (2014), Understanding FINTECH and Banking Law: A Practical Guide., Legal Works, [ISBN: 0314633596].</p> <p>Carstensen, Jared, Bernard Golden and JP Morgenthal. (2012), Cloud Computing - Assessing the Risks, IT Governance Publishing, [ISBN: 1849283591].</p>	
<i>This module does not have any article/paper resources</i>	
<i>This module does not have any other resources</i>	
<b>Discussion Note:</b>	