

MODULE DESCRIPTOR

Module Title

Data Governance And Ethics

Reference	CBM207	Version	3
Created	December 2023	SCQF Level	SCQF 11
Approved	July 2018	SCQF Points	15
Amended	April 2024	ECTS Points	7.5

Aims of Module

This module examines the regulatory, ethical, and organisational governance considerations for businesses when collecting, managing, and using data. Students will explore the data governance components that address best practices for data activities across the lifecycle.

Learning Outcomes for Module

On completion of this module, students are expected to be able to:

- 1 Analyse the main ethical issues that have arisen due to the increase in data availability and analytical applications in the context of different ethical theories.
- 2 Identify and understand appropriate laws, regulations, and standards relevant for data governance and ethical data use.
- 3 Critically analyse an organisation's data governance framework for effectively overseeing activities across the data lifecycle.
- 4 Effectively communicate data governance issues for a variety of stakeholders and audiences
- 5 Discuss the principles of organisational change management and their relevance for data governance.

Indicative Module Content

Ethical decision making models relating to the use of data; data governance framework components and how they interact with the range of data activities; the effect of data quality decisions on data use outcomes; the legal and regulatory environment affecting data collection and use; the role of standards and their applications for data management and use; communication strategies for effecting organisational change. The module engages students with UNESCO's Education for Sustainable Development Normative, Critical thinking, and Integrated problem solving competencies in terms of recognising and understanding the ethics and principles that shape data governance, applying different problem solving approaches that can help balance necessary trade-offs and developing appropriate and sustainable strategies to address the challenges for proper data management.

Module Delivery

The module is delivered via online exercises, workshops, industry speakers, case studies and lab tutorials.

Indicative Student Workload

Full Time Part Time

Contact Hours	36	36
Non-Contact Hours	114	114
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	150	150
<i>Actual Placement hours for professional, statutory or regulatory body</i>		

ASSESSMENT PLAN

If a major/minor model is used and box is ticked, % weightings below are indicative only.

Component 1

Type:	Coursework	Weighting:	100%	Outcomes Assessed:	1, 2, 3, 4, 5
Description:	Individual Portfolio Assessment addressing data governance knowledge and effective communication skills.				

MODULE PERFORMANCE DESCRIPTOR**Explanatory Text**

The calculation of the overall grade for this module is based on 100% weighting of C1. An overall minimum grade D is required to pass the module.

Module Grade	Minimum Requirements to achieve Module Grade:
A	The student needs to achieve an A in C1.
B	The student needs to achieve a B in C1.
C	The student needs to achieve a C in C1.
D	The student needs to achieve a D in C1.
E	The student needs to achieve an E in C1.
F	The student needs to achieve an F in C1.
NS	Non-submission of work by published deadline or non-attendance for examination

Module Requirements

Prerequisites for Module	None.
Corequisites for module	None.
Precluded Modules	None.

INDICATIVE BIBLIOGRAPHY

- 1 ABRAHAM, R., SCHNEIDER, J. and VOM BROKE, J. (2019), 'Data governance: a conceptual framework, structured review, and research agenda?', *International Journal of Information Management*, Vol. 49, pp. 424-438, doi: 10.1016/j.ijinfomgt.2019.07.008.
- 2 MACLENNAN, A. (2014). *Information governance and assurance : reducing risk, promoting policy*. London: Facet
- 3 MAHANTI, R. (2021). *Data Governance Success: Growing and Sustaining Data Governance*. Singapore : Springer.
- 4 O'NEIL, C. (2017). *Weapons of Maths Destruction*. New York: Crown Publishing
- 5 PLOTKIN, D. (2014). *Data stewardship an actionable guide to effective data management and data governance*. Waltham, MA: Morgan Kaufmann
- 6 SEINER, R. S. (2014). *Non-invasive data governance: the path of least resistance and greatest success*. Basking Ridge, N.J: Technics Pub