MODULE DESCRIPTOR

Module Title

Data Quality And Governance

Reference	CB3968	Version	1
Created	February 2020	SCQF Level	SCQF 9
Approved	June 2016	SCQF Points	15
Amended	August 2017	ECTS Points	7.5

Aims of Module

The aim of this module is to enable students to develop knowledge and understanding of the application and value of data quality and governance standards, policies and strategies.

Learning Outcomes for Module

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

1	Critically analyse the organisational roles, business rules, standards, policies and strategies for data quality, integrity, governance and security and the value of these for the business.
2	Evaluate the systems and procedures for recording, checking and assuring the integrity and quality of different data types to minimise risks and resolve problems.
3	Evaluate and convey the policies, systems and behaviour required to comply with rights and sensitivities associated with subsurface data.
4	Describe data quality tools, the systems that store data types and the interconnection between systems (data architecture) which enable business processes and workflows to function efficiently.
5	Critically analyse the challenges of implementing a data governance framework within the business and effective measures to maintain the success of the framework.

Indicative Module Content

Data quality management standards; Business rules for data quality; Data quality management methods and tools; Geodetics and data quality; Managing confidentiality and data rights; Data integrity and access control; Data governance policies and strategies, Standards and data governance, Data governance roles; Data procedures in data governance.

Module Delivery

Online distance learning

Indicative Student Workload

	Full Time	Part Time
Contact Hours	N/A	24
Non-Contact Hours	N/A	126
Placement/Work-Based Learning Experience [Notional] Hours	N/A	N/A
TOTAL	N/A	150
Actual Placement hours for professional, statutory or regulatory body		

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				

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 HAWTIN, S., 2013. *The management of oil industry exploration and production data.* London: CreateSpace.

2 LADLEY, J., 2020. *Data governance how to design, deploy and sustain an effective data governance program.* 2nd Ed. London: Academic Press.

3 MCGILVRAY, D., 2021. *Executing data quality improvement projects.* 2nd Ed. London: Academic Press.