

MODULE DESCRIPTOR

Module Title

The Data Management Lifecycle

Reference	CB3966	Version	1
Created	January 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 role of lifecycle management in the capture, realisation and safeguarding of information value and the interaction of users in this lifecycle.

Learning Outcomes for Module

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

- 1 Describe the scope, defining features and stages of the data management lifecycle and the activities and challenges at each stage.
- 2 Apply the processes, systems and procedures for receiving, cataloguing, loading and storing data, including quality control, while accommodating a degree of unpredictability
- 3 Utilise a range of methods to effectively communicate availability of new data and the routine distribution of seismic and well data to internal and external users.
- 4 Evaluate data management from an end user perspective.
- 5 Identify and analyse the systems and standards for ensuring data quality prior to its use for interpretation and workflows and explain the consequences if these are not in place.

Indicative Module Content

Data receipt; Cataloguing and indexing; Loading and storing data; Distribution of subsurface data; User-generated content and data use; Data maintenance; Promoting and facilitating access to data; Effective search and retrieval; Data archiving; Data retention and disposition.

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
<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				

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 KUIJK, H.J.A.V., 2011. *Five pillars of knowledge, information and data management*. London: CreateSpace.
- 3 MAYDANCHIK, A., 2007. *Data quality assessment*. BradleyBeach, NJ: Techniks Publications.
- 4 WANG, R.Y. and STRONG, D.M., 1996. Beyond accuracy: what data quality means to data consumers. *Journal of Management Information Systems*, Spring, pp.5-33.