



Big Data Course Descriptor

Course Title	Big Data	Faculty	EDGE Innovation Unit (London)
Course code	NCHMV466	Course Leader	Marta Rodriguez-Martinez
Credit points	15	Teaching Period	6 weeks
FHEQ level	4	Date approved	March 2021
Compulsory/ Optional	Compulsory		
Prerequisites	None		
Co-requisites			

COURSE SUMMARY

This course will teach learners to summarise the basics of 'big data': what it is, why it is useful and how businesses take advantage of it. They will become familiar with the challenges and opportunities that big data presents. Learners will study a range of methods and software used to support processing big data via parallel processing, before applying their knowledge within a report, discussing their business' uses and opportunities for creating competitive advantage through big data processing. The theory in this module is later applied within the 'Cloud Computing and Digital Platforms' module.

COURSE AIMS

- Train learners to identify opportunities of harnessing big data in their business and justify its use.
- Expose learners to common tools and technologies currently used to process big data.

LEARNING OUTCOMES

On successful completion of the course, learners will be able to:

KNOWLEDGE AND UNDERSTANDING

- K1a Explain what big data is and why it is important to their role.
- K2a Explain how processes could be parallelised in their business context.

SUBJECT SPECIFIC SKILLS

- S3a Evaluate the use of big data based on their characteristics: volume, velocity, variety, veracity, and value, in order to determine risks and usage.
- S3a Locate opportunities for competitive advantage through applying new technology.

TRANSFERABLE AND PROFESSIONAL SKILLS

- T1a Present your findings and recommendations in a written report.
- T2a Research a topic and extract relevant information.

TEACHING AND LEARNING

The course learning and teaching hours will be structured as follows:

- Seminar = 15 hours
- Applied Seminar = 7.5 hours
- Coaching session = 1 hour
- Academic Drop-ins = 4 hours
- Reading and Assessment Prep = 32.5 hours
- Application of learning = 90 hours

Total = 150 hours

ASSESSMENT

FORMATIVE

Learners will be formatively assessed during the course through a range of techniques. During Seminars, applied learning seminars and one to one coaching, questioning and quizzing are used as formative assessment. The purpose of the formative assessment is to provide learners with developmental feedback to support their learning.

SUMMATIVE

AE	Assessment Type	Weighting	Online submission	Duration	Length
1	Written Assignment	70%	Yes	-	2500 words +/- 10%
2	Oral	30%	No	30 minutes +/- 10%	

The summative assessment will be assessed in accordance with the assessment aims set out in the Programme Specification.

FEEDBACK

Learners will receive formal feedback in a variety of ways. For summative assessments, feedback is written and provided within 20 days of submission, and for formative assessment it could include verbal or written feedback. Learners will also have a progress review each quarter, see above, with their Multiverse Coach and their Line Manager. These reviews are an opportunity to discuss progress to date both in their role and on the degree programme.

INDICATIVE READING

Note: Comprehensive and current reading lists for courses are produced annually in the Course Syllabus or other documentation provided to learners; the indicative reading list provided below is used as part of the approval/modification process only.

BOOKS

Davenport, T., 2014. *Big data at work: dispelling the myths, uncovering the opportunities*. Harvard Business Review Press.

Williams, S., 2016. *Business intelligence strategy and big data analytics: a general management perspective*. Morgan Kaufmann.

INDICATIVE TOPICS

Learners will study the following topics:

- What do we mean by big data
- Challenges and opportunities in big data
- Parallel computing
- 5Vs: volume, velocity, variety, veracity, and value

Title: NCHMV466 Big Data Course Descriptor					
Approved by: Academic Board					
Version number	Date approved	Date published	Owner	Location	Proposed next review date
1.0	March 2021	March 2021	Marta Rodriguez-Martinez	Multiverse website	March 2026
Modifications (As per AQF4)					
Version number	Date approved	Date published	Modification (including category number)		