



## **Module Specification**

### Working with data in projects

Version: 2026-27, v1.0, 30 Mar 2023

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## Part 1: Information

**Module title:** Working with data in projects

**Module code:** UMMDW5-20-3

**Level:** Level 6

**For implementation from:** 2026-27

**UWE credit rating:** 20

**ECTS credit rating:** 10

**Faculty:** Faculty of Business & Law

**Department:** FBL Dept of Business & Management

**Partner institutions:** University Centre Weston

**Delivery locations:** University Centre Weston

**Field:**

**Module type:** Module

**Pre-requisites:** None

**Excluded combinations:** None

**Co-requisites:** None

**Continuing professional development:** No

**Professional, statutory or regulatory body requirements:** None

## Part 2: Description

**Overview:** A project manager requires analytical knowledge and skills and is responsible for assessing the impact of the key performance indicators (KPI) of the project.

There is a need for project managers to be able to acquire, extract, transform and utilise project data to provide meaningful information to inform business decisions.

This module will introduce you to the use of, identification and acquisition of project management data.

This module will introduce the use of descriptive and inferential statistics to develop meaningful information to support the decision-making process. There will be consideration given to the application of machine learning within a project environment and the underpinning principles.

**Features:** Not applicable

**Educational aims:** In addition to the learning outcomes, the educational aims may explore, develop, and practise but not formally assess the following:

Independent learning, group work and skills associated with discussion and debate

Personal organisation and study skills as well as your analytical ones.

**Outline syllabus:** Within this module you may cover:

Structured processes for identifying, defining and analysing a project's financial, resource, planning, estimation, risk, issues, key performance indicators (KPI).

Modelling and analysis techniques to describe project KPIs, including descriptive and inferential interpretation.

Developing and testing predictive modelling techniques based on recognised industry existing and emerging practices.

Demonstrate effective modelling to interpret and communicate KPIs within project environments.

The use of tools to support modelling and data analysis providing project management information.

### Part 3: Teaching and learning methods

**Teaching and learning methods:** This module will introduce you to project data analytics; this will involve a combination of guided learning through both formal lectures and individual tutorials, with the initial emphasis being on lectures.

**Module Learning outcomes:** On successful completion of this module students will achieve the following learning outcomes.

**MO1** Systematically evaluate and deploy models of system data to a given scenario

**MO2** Apply and justify relevant processes for identifying, defining and analysing unstructured project risk

**MO3** Accurately deploy established analysis tools and techniques to a scenario

**MO4** Interpret and make recommendations using data

**Hours to be allocated:** 200

**Contact hours:**

Independent study/self-guided study = 155 hours

Face-to-face learning = 45 hours

Total = 200

**Reading list:** The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/lists/46E6ED2C-441B-B6DF-0DD8-1C9F97170485.html) via the following link <https://uwe.rl.talis.com/lists/46E6ED2C-441B-B6DF-0DD8-1C9F97170485.html>

### Part 4: Assessment

**Assessment strategy:** The assessment for this module will take the form of a 2 hour set exercise. Within the set exercise you will undertake a series of tasks to test your analytical and evaluative skills with a given set of project data.

Opportunities for formative assessment exist for each of the assessment strategies

used. Verbal feedback is given and all students will have opportunity for personalised tutorials to discuss the application of their ideas.

**Assessment components:****Set Exercise (First Sit)**

Description: Within a set exercise you will have 2 hours to undertake a series of tasks to test your analytical and evaluative skills with a given set of project data.

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Set Exercise (Resit)**

Description: Within a set exercise you will have 2 hours to undertake a series of tasks to test your analytical and evaluative skills with a given set of project data.

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3, MO4

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Project Management {Apprenticeship-UCW} [UCW] BSc (Hons) 2023-24