



Module Specification

Business Reasoning and Statistical Skills for Managers

Version: 2025-26, v1.0, 20 Aug 2024

Contents

| | |
|--|----------|
| Module Specification | 1 |
| Part 1: Information | 2 |
| Part 2: Description | 2 |
| Part 3: Teaching and learning methods | 3 |
| Part 4: Assessment..... | 5 |
| Part 5: Contributes towards | 7 |

Part 1: Information

Module title: Business Reasoning and Statistical Skills for Managers

Module code: UMETAL-30-1

Level: Level 4

For implementation from: 2025-26

UWE credit rating: 30

ECTS credit rating: 15

College: College of Business and Law

School: CBL Bristol Business School

Partner institutions: None

Field: Economics

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: This module will introduce students to key skills of economic thinking, as well as a range of statistical techniques and technical skills that will be used in their degree and prepare them for professional managerial roles or a career as an economic analyst.

Features: Not applicable

Educational aims: In addition to the assessed Learning Outcomes, the educational experience will contribute to the development of skills and competencies across various dimensions that are relevant for professionals in managerial roles or a career as an economic analyst.

A special focus rests on nurturing critical analytical minds, by teaching students how to apply economic reasoning and analytical tools to real-world economic or entrepreneurial problems. This will be achieved by guiding students toward identifying and structuring economic problems to develop problem-solving strategies both independently and collaboratively. Moreover, students will develop digital skills and competencies through practical applications using Excel and real-world datasets. By acquiring the ability to apply existing knowledge and skills to solve problems in a new context students will be empowered to voice their opinions and contribute to professional discussions.

Furthermore, students will learn how to implement basic data analyses in Excel and how to assess and present their findings in a professional context.

Outline syllabus: This module covers two related core components that are essential for anyone considering managerial roles or a career as economist:

Semester 1

Types of economic reasoning. Basic Mathematics.

Semester 2

Types of data and their application. Descriptive statistics. Graphical analysis. Frequency and probability distributions. Statistical hypothesis testing. Correlation and causation. Introduction to regression analysis. Handling data in Excel.

Part 3: Teaching and learning methods

Teaching and learning methods: Module delivery will be based on scheduled learning and teaching activities per teaching week. This will consist of a combination

of lectures and practical sessions.

Lectures will focus on core material, with a particular focus on theory and application. In semester 1, practical sessions will allow students to deepen their understanding of economic reasoning and get regular formative and summative feedback on their learning progress. Practical sessions in semester 2 comprise tutorials and computing sessions. Tutorials will focus on revising and practising the lecture material, thus strengthening students' numeracy skills. Students will receive direct feedback regarding their solution strategies and immediate in-class support from their tutors. Computing sessions will emphasise practical applications and the use of Excel to strengthen students' digital skills in the context of economic and entrepreneurial analyses. Using available online support for the respective software and tutor guidance, students will be enabled to devise and implement viable solutions to the practical tasks.

In line with UWE's 3P framework, students are expected to actively advance and enhance their learning journey. To achieve this goal, they will have to:

Prepare - Students are encouraged to explore the learning materials as soon as they are released and before they join a teaching session. Multiple contact points with relevant content will deepen their understanding and allow them to succeed in regular in-class tests. Furthermore, preparation enables students to process new content more easily, and facilitates learning activities in practical sessions.

Participate - Active engagement with teaching activities can take many forms. Asking questions and voicing opinions enriches the learning experience in lectures. Collaborative problem-solving and active participation in discussions in practical sessions give rise to an enhanced learning environment.

Practise - Recognising that learning is an ongoing process, students continue their skill development outside of scheduled learning activities. Individual and collaborative regular revision activities are essential to achieve essential learning outcomes and professional development.

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

MO1 Apply logical reasoning to key economic problems.

MO2 Demonstrate an understanding of the skills and techniques needed in economic analyses.

MO3 Understand and apply foundational statistical concepts such as probability distributions, hypothesis testing, correlation, and causation.

MO4 Manage, manipulate, and analyse data using appropriate software.

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 228 hours

Face-to-face learning = 72 hours

Total = 0

Reading list: The reading list for this module can be accessed at [readinglists.uwe.ac.uk](https://uwe.rl.talis.com/modules/umetal-30-1.html) via the following link <https://uwe.rl.talis.com/modules/umetal-30-1.html>

Part 4: Assessment

Assessment strategy: This module deploys a mix of formative and summative assessment.

Formative assessment takes various forms and will occur throughout the module; it will include peer feedback and informal activities.

The summative assessment comprises regular set exercises (50%) and a report (50%). Set exercises integrate tests to support the development of students' economic reasoning skills and help them to work regularly on the module material. These set exercises are low stake assessments to measure students' competencies in economic reasoning and numeracy.

The analytical report mimics a typical analytical task encountered by entry-level analysts. Using real-world data, this integrates an authentic assessment format that enables students to demonstrate their learning progress regarding statistical analysis and data management.

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

Description: A series of regular tests during semester 1

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2

Report (First Sit)

Description: Data analysis with written report (1500 words)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3, MO4

Set Exercise (Resit)

Description: A set of exercises corresponding to the regular exercises taking place in semester 1

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested: MO1, MO2

Report (Resit)

Description: Data analysis with written report (1500 words)

Weighting: 50 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO3, MO4

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Business Management and Economics {Foundation} [Frenchay] BA (Hons) 2024-25

Business Management and Economics [Villa] BA (Hons) 2025-26

Business Management and Economics [Frenchay] BA (Hons) 2025-26