



## **Module Specification**

### **Econometric Analysis and Professional Advancement**

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#### **Contents**

<b>Module Specification .....</b>	<b>1</b>
<b>Part 1: Information .....</b>	<b>2</b>
<b>Part 2: Description .....</b>	<b>2</b>
<b>Part 3: Teaching and learning methods .....</b>	<b>4</b>
<b>Part 4: Assessment.....</b>	<b>6</b>
<b>Part 5: Contributes towards .....</b>	<b>7</b>

## Part 1: Information

**Module title:** Econometric Analysis and Professional Advancement

**Module code:** UMET9W-30-2

**Level:** Level 5

**For implementation from:** 2026-27

**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:** Yes

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

## Part 2: Description

**Overview:** Building on the basic analytical skills acquired at Level 4, this module will introduce students to econometric and time series analyses that are highly relevant across the banking and finance sector.

To support personal and professional development, students will explore important employability skills and develop a better understanding of the intricacies of recruitment processes.

**Features:** Not applicable

**Educational aims:** In addition to the assessed Learning Outcomes, the educational experience will contribute to the development of advanced skills and competencies that boost students' employability in the banking and finance sector.

A special focus rests on guiding students toward identifying analytical problems and developing problem-solving strategies both independently and collaboratively. Students will achieve this by performing econometric analysis and by interpreting results. Moreover, students will refine digital skills and competencies through practical applications using EViews, Python, and Bloomberg. By acquiring the ability to apply existing knowledge and skills to solve problems in a new context students will be empowered to develop and express opinions, and thus shape professional discussions.

Building on the Level 4 personal and professional development achievements and goals, students will continue their journey to become skilled professionals.

**Outline syllabus:** The module typically will cover competencies required of professionals in banking and finance:

Econometric analysis:

Linear regression model, Estimation, Hypothesis testing, Functional form, Dummy variables, Multicollinearity, Heteroscedasticity, Autocorrelation.

Time series analysis:

Principles of time series analysis, Level, Growth, Volatility, Trends, Seasonality, Structural breaks, forecast techniques (autoregressive, moving average, and ARMA processes).

Computing skills:

EViews, Python and Bloomberg.

Professional development:

Identify and develop employability skills for the banking and finance sector. Honing

skills to succeed in graduate recruitment processes either related to potential placements (within a sandwich programme) or for their graduate destination.

### **Part 3: Teaching and learning methods**

**Teaching and learning methods:** This module's delivery strategy revolves around students developing a sound understanding of econometric and time series methods. Lectures provide a platform to introduce students to the theoretical underpinnings in a structured and focused way.

To enhance students' practical skills, the module emphasises hands-on practice with statistical software (EViews and Python) and real-world financial datasets, allowing students to implement econometric and time series models and interpret results. Integrated Bloomberg learning experiences will enrich students' learning journeys and familiarise them with the data environment encountered in the banking and finance sector.

Experiential tutorials and computer practicals provide opportunities for personalised guidance and feedback, reinforcing comprehension and application. This multifaceted approach ensures that students not only grasp the intricacies of foundational econometrics and time series methods (for their third-year work) but also develop the practical skills necessary for future academic and professional pursuits in banking and finance.

Professional development components are delivered in interactive workshops that allow students to hone their employability skills. The main professional development block separates the econometric from the time series content, giving students' learning and revision activities a clear structure.

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

**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, enable them to process new

content more easily, and facilitate 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, for instance by further exploring EViews or Python. 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** Understand and explain the concepts, assumptions, and limitations related to econometric methods.

**MO2** Apply basic techniques used in time series analysis.

**MO3** Demonstrate foundational use of appropriate software in econometric and time series analysis.

**MO4** Engage with and reflect on activities that are part of recruitment/selection processes for graduate professional roles.

**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/umet9w-30-2.html) via the following link <https://uwe.rl.talis.com/modules/umet9w-30-2.html>

## Part 4: Assessment

**Assessment strategy:** The assessment comprises set exercises (66%) and a portfolio (34%).

There will be a portfolio comprising of three exercises (66%) where students will demonstrate their econometric and programming skills. Set exercises will comprise analytical tasks, allowing students to apply their knowledge, and exercises where students will evidence their ability to apply statistical skills in the context of real-world data.

The reflective piece (34%) comprises a variety of tasks that help students develop success strategies related to practical aspects of graduate recruitment processes. The first task is a review of students' professional development journey across the second year. Additional tasks support students' employability by simulating importing stages of the recruitment process itself, such as the creation of a targeted CV and cover letter as well as a short interview simulation.

### Assessment tasks:

#### Portfolio (First Sit)

Description: Three exercises (1500 words).

Weighting: 66 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

#### Reflective Piece (First Sit)

Description: Reflective piece comprising a review of students' professional development journey (1,000 words), an application simulation (CV and cover letter design, 1,000 words) and a recorded interview simulation.

Weighting: 34 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4

**Portfolio (Resit)**

Description: Three exercises (1500 words).

Weighting: 66 %

Final assessment: Yes

Group work: No

Learning outcomes tested: MO1, MO2, MO3

**Reflective Piece (Resit)**

Description: Reflective piece comprising a review of students' professional development journey (1,000 words), an application simulation (CV and cover letter design, 1,000 words) and a recorded interview simulation.

Weighting: 34 %

Final assessment: No

Group work: No

Learning outcomes tested: MO4

**Part 5: Contributes towards**

This module contributes towards the following programmes of study:

Banking and Finance {Foundation}[Frenchay] BSc (Hons) 2024-25

Banking and Finance [NEU] BSc (Hons) 2025-26

Banking and Finance [UFM] BSc (Hons) 2025-26

Banking and Finance {Dual} [Taylors] BA (Hons) 2025-26

Banking and Finance [Frenchay] BSc (Hons) 2025-26