| Module Details | |
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| Module Title | Empirical Methods in Accounting and Finance |
| Module Code | AFE6014-B |
| Academic Year | 2024/5 |
| Credits | 20 |
| School | School of Management |
| FHEQ Level | FHEQ Level 6 |

| Contact Hours | |
|---|---|
| Type | Hours |
| Lectures | 24 |
| Tutorials | 12 |
| Directed Study | 164 |

| Availability | |
|---|---|
| Occurrence | Location / Period |
| BDA | University of Bradford / Semester 1 |

## Module Aims

This module aims to provide you with sound conceptual understanding and core practical skills necessary for empirical research within accounting and finance. It aims to develop your analytical skills and enable you to make use of data and suitable methods to assist decision making within firms, organisations and other entities. It aims to enable you to undertake appropriate empirical analysis for completing your research project and to enable you to develop applied skills which would be useful for future roles as a finance or accounting professional.

## Outline Syllabus

1 Introduction to the philosophy of empirical research
2 Literature search and literature review
3 Introduction to quantitative empirical methods
4 Classical linear regression model
5 Deviations from the classical linear regression model - Autocorrelation, heteroscedasticity and normality failures
6 Basic panel data analysis
7 Logistic regression
8 Event study method
9 Basic time series analysis
10 Revision

## Learning Outcomes

| Outcome Number | Description |
|---|---|
| O1 | 1a) Demonstrate a critical understanding of the basics of empirical work within accounting and finance. 1b) Develop an in depth understanding of core concepts underpinning applied research within accounting and finance, as used to support decision making within firms and other organisations. 1c) Appropriately apply suitable software resources to analyse data and carry out empirical research. |
| O2 | 2a) Use appropriate formal theory to estimate simple formal econometric models and apply them to an accounting or finance context. 2b) Demonstrate an understanding of basic concepts within probability, statistical inference and the classical linear regression model. 2c) Critically appraise, analyse and employ a variety of data in order to aid decision making in business and financial organisations. 2d) Run regression models and interpret regression outputs and evaluate the results obtained. |
| O3 | 3a) Plan and manage your own applied and theoretical learning. 3b) Effectively work in a team, define problems, engage in discussions and evaluate decision making, and use appropriate verbal and written communication skills. 3c) Undertake non-technical presentation of formal models and results. |

## Learning, Teaching and Assessment Strategy

This module applies a blended approach (lectures, tutorials in computer lab with access to statistical software and online databases, and online discussion forums). Lectures will provide you with basic theory and knowledge of formal concepts which are essential for gaining key discipline skills. This will enable you to relate classroom-based analysis to the 'real life' decision making context faced by professionals within accounting and finance. Weekly tutorials will give you the opportunity to apply your theoretical and conceptual knowledge to an applied context, to enable you to test your understanding of formal concepts and to practice performing statistical and quantatitive analyses. Online discussion forum is to enhance student's learning experience, communication and critical thinking skills as well as promote inclusive, sharing and learning from others and be respectful of others views and diverse background.

The assessment strategy is developmental, enabling student to practice specific academic and quantatitive analysis skills. In the main coursework, you will work in a team to explore suitable reserach topic and questions, demonstrate critical understanding of the basics of empirical work, use appropriate formal theory to estimate formal econometric models and use software resources to run regression models, interpret regression outputs and evaluate the results obtained. The teamwork's effectiveness is evaluated/moderated based on peer-review evaluation. In the supplementary coursework, you will be provided with a specific research topic and dataset and you are expected to demonstrate similar competency in applying quantatitve skills. You will receive both formative and summative feedback in the coursework. The final exam will cover the remaining learning outcomes and student will have a complete knowledge, understanding and skills to enable them to undertake a piece of an independent research.

This module has a pre-requisite of AFE4004-B.

## Mode of Assessment

| Type | Method | Description | Weighting |
|---|---|---|---|
| Summative | Coursework - Written | Group Coursework 3000 words; SUPPLEMENTARY Individual Coursework 2,500 words | 30% |
| Summative | Examination - Closed Book | Closed book final exam 2 hours | 70% |

| Reading List |
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| To access the reading list for this module, please visit https://bradford.rl.talis.com/index.html |