Module Specification

Advanced Quantitative Research Techniques

Version: 2023-24, v2.0, 07 Mar 2023

Contents

Part 1: Information

Module title: Advanced Quantitative Research Techniques

Module code: UMADNE-30-M

Level: Level 7

For implementation from: 2023-24

UWE credit rating: 30

ECTS credit rating: 15

Faculty: Faculty of Business & Law

Department: FBL Dept of Accounting Economics & Finance

Partner institutions: None

Delivery locations: Not in use for Modules

Field: Accounting and Finance

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: Most research students in the area of accounting and finance need to undertake empirical research as a requirement of their PhD studies.This module will introduce you to the most current empirical techniques employed in accounting and finance.

Features: Not applicable

Educational aims: The module will enable you to develop the necessary technical skills to carry out PhD-level empirical research through a deep understanding of the various methods, tools and approaches available to empirical researchers. You will be able to select econometric and statistical tools of estimation and inference that are most appropriate to the particular research questions of your thesis, and develop the necessary skills to critically interpret the results of econometric results. Where applicable, a successful completion of this module will contribute towards the research training requirement of the doctoral programme.

Outline syllabus: See Learning Outcomes and Assessment

Part 3: Teaching and learning methods

Teaching and learning methods: Students will attend a 5 day intensive block of teaching (30 hours) and will have access to at least 12 hours face to face individual support.

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

MO1 Apply advanced modern econometric and statistical techniques, and critically assess and discriminate between the various techniques applicable to complex empirical questions

MO2 Appreciate the relationships between research questions, research method, and quantitative techniques

MO3 Conceptualise an empirical research question in the field of accounting and finance and formulate an appropriate quantitative approach

MO4 Demonstrate an understanding of the various techniques of quantitative data analysis and an understanding of the appropriateness of these techniques to specific research questions

MO5 Conceptualise a strategy involving the various milestones required when writing an empirical piece of work at PhD level

MO6 Appraise the implications of correctly estimating and testing empirical models, and relating the findings to the existing literature

Hours to be allocated: 300

Contact hours:

Independent study/self-guided study = 258 hours

Face-to-face learning = 42 hours

Total = 300

Reading list: The reading list for this module can be accessed at readinglists.uwe.ac.uk via the following link https://uwe.rl.talis.com/modules/umadne-30-m.html

Part 4: Assessment

Assessment strategy: Much of the teaching and learning will be based around applied empirical research. The module will therefore be assessed directly through the design, conduct and presentation of a research project. The tutor will provide formative assessment throughout the course via seminars involving theoretical and empirical questions. Selected projects will be subject to in-class debate by students, as well as comments and feedback from the tutor. The module assessment takes the form of a 7,500 word project, incorporating part of the students' empirical work related to their chosen PhD topic. Students will collect and analyse data, select appropriate techniques, and apply appropriate interpretation to the statistical results.

Assessment components:

Project (First Sit)
Description: 7500 word supervised project on an empirical project
Weighting: 100 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4, MO5, MO6

Project (Resit)

Description: 7500 word supervised project on an empirical project

Weighting: 100 %

Final assessment: Yes

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study: