Module Specification

Econometrics

Version: 2021-22, v3.0, 28 Jul 2021

Contents

Part 1: Information

Module title: Econometrics

Module code: UMED96-15-3

Level: Level 6

For implementation from: 2021-22

UWE credit rating: 15

ECTS credit rating: 7.5

Faculty: Faculty of Business & Law

Department: FBL Dept of Accounting Economics & Finance

Partner institutions: None

Delivery locations: Frenchay Campus, National Economics University Vietnam

Field: Economics

Module type: Standard

Pre-requisites: None

Excluded combinations: None

Co-requisites: None

Continuing professional development: No

Professional, statutory or regulatory body requirements: None

Part 2: Description

Overview: Not applicable

Features: Not applicable

Educational aims: See Learning Outcomes

Outline syllabus: This module typically will cover:

The multivariate regression model

Non-linear regression model and indicator variables

Modelling strategies

Dynamic models

Forecasting

Detection of and estimation with serial correlation

Non-stationary time series

Cointegration and error correction models

Introduction to panel data

Part 3: Teaching and learning methods

Teaching and learning methods: Lectures will be used to introduce the techniques to be employed in the module. The lectures will be backed up by handouts on specific topics. Seminars will afford an opportunity for students to apply the techniques that have been introduced in lectures to selected economic problems. Students will work through a series of questions on a specific topic and will receive guidance on how to answer these questions. Workshops will be based in computer rooms and will emphasise the critical analysis of empirical output and the application and practice with a suitable econometrics software package.

The content will be illustrated by various applications related to the theory taught in macro and micro economics. Module delivery will be based on 3 hours of scheduled learning and teaching activities per teaching week. This will consist of a combination of lectures and seminars/workshops.

Module Learning outcomes:

MO1 A capacity to explain the concepts and assumptions underlying the econometric and time-series methods considered in the module.

MO2 An appreciation of the strengths and weaknesses, in particular circumstances, of various alternative econometric and time-series methods

MO3 An ability to evaluate their own and other researchers' statistical findings both in writing and verbally

MO4 A capacity to recognise and implement appropriate statistical tests

Hours to be allocated: 150

Contact hours:

Independent study/self-guided study = 114 hours

Face-to-face learning = 36 hours

Total = 150

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/umed96-15-3.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 may include peer feedback on informal activities. Summative assessment takes two forms: a statistics project and an end-of-module exam. The statistics project involves a 2000 word report.

Summative assessment:

Component A: An end-of-module exam (2 hours)

Component B: A statistics project will comprise a 2000 word report.

Formative Assessment:

Engagement with other students in seminars that encourages a sense of belonging.

Regular use of specialist statistical packages in seminars and workshops.

Engagement with external speakers and with private sector businesses.

Regular VLE messages, including podcasts, provide generic feedback to groups on lectures, seminars and practical classes.

Assessment components:

Examination - Component A (First Sit)
Description: Examination (on campus)
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested: MO1, MO2, MO3, MO4

Report - Component B (First Sit)
Description: 2000 word statistics report
Weighting: 50 %
Final assessment: No
Group work: No
Learning outcomes tested: MO1, MO3, MO4

Examination - Component A (Resit)
Description: Examination (on campus)
Weighting: 50 %
Final assessment: Yes
Group work: No
Learning outcomes tested:

Report - Component B (Resit)

Description: 2000 word statistics report

Weighting: 50 %

Final assessment: No

Group work: No

Learning outcomes tested:

Part 5: Contributes towards

This module contributes towards the following programmes of study:

Banking and Finance [Sep][FT][Frenchay][3yrs] BA (Hons) 2019-20

Business Management and Economics [Jan][FT][Villa][3yrs] BA (Hons) 2018-19

Banking and Finance {Dual} [Aug][FT][Taylors][3yrs] BA (Hons) 2019-20

Banking and Finance {Dual} [Mar][FT][Taylors][3yrs] BA (Hons) 2019-20

Banking and Finance [Sep][FT][NEU][3yrs] BA (Hons) 2019-20

Economics [Sep][FT][Frenchay][3yrs] BA (Hons) 2019-20

Economics {Dual} [Aug][FT][Taylors][3yrs] BA (Hons) 2019-20

Economics {Dual} [Mar][FT][Taylors][3yrs] BA (Hons) 2019-20

Economics {Dual} [Sep][FT][Frenchay][3yrs] BA (Hons) 2019-20

Economics [Sep][FT][Frenchay][3yrs] BSc (Hons) 2019-20

Business Management with Economics [Sep][FT][Frenchay][3yrs] BA (Hons) 2019-20

Business Management and Economics [Sep][SW][Frenchay][4yrs] BA (Hons) 2018-19

Banking and Finance [Sep][SW][Frenchay][4yrs] BA (Hons) 2018-19

Economics [Sep][SW][Frenchay][4yrs] BA (Hons) 2018-19

Economics [Sep][SW][Frenchay][4yrs] BSc (Hons) 2018-19

Banking and Finance {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2018-19

Business Management and Economics {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2018-19

Business Management and Economics [Jan][SW][Villa][4yrs] BA (Hons) 2018-19

Economics {Foundation} [Sep][FT][Frenchay][4yrs] BA (Hons) 2018-19

Economics {Foundation} [Sep][FT][Frenchay][4yrs] BSc (Hons) 2018-19