

**CDA4 Programme Design Template
Module specification (with KIS) 2014-15**



University of the
West of England

CORPORATE AND ACADEMIC SERVICES

MODULE SPECIFICATION

Part 1: Basic Data					
Module Title	Econometrics				
Module Code	UMEN3P-15-M	Level	M	Version	4
UWE Credit Rating	15	ECTS Credit Rating	7.5	WBL module?	no
Owning Faculty	FBL	Field	Economics		
Department	BBS (AEF)	Module Type	Standard		
Contributes towards	MSc Applied Economics, CPD, PhD				
Pre-requisites	None		Co- requisites	None	
Excluded Combinations	None		Module Entry requirements	If offered as CPD or standalone module, students should have an undergraduate degree or able to demonstrate equivalent knowledge.	
First CAP Approval Date	26 March 2015		Valid from	September 2015	
Revision CAP Approval Date			Revised with effect from		

Review Date	September 2021
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Part 2: Learning and Teaching	
Learning Outcomes	<p>On successful completion of this module students will be able to:</p> <ol style="list-style-type: none"> 1. have a knowledge and understanding of econometric analysis to a level consistent with most practical uses (Component A & B) 2. have a knowledge and understanding of the value and limitations of econometric techniques (Component A & B) 3. develop a critical perspective on the use of econometric analysis. (Components A and B) 4. be proficient in using an advanced econometric package; (Component A & B) 5. be able to independently develop econometric analyses of economic data relevant for their work. (Component B) 6. Be able to apply these techniques in a practical setting (Component A & B)
Syllabus Outline	<ul style="list-style-type: none"> • The value of multivariate analysis • The simple (two-variable) regression model.

	<ul style="list-style-type: none"> • Multiple regression. • Statistical inference and hypothesis testing • Violation of the assumptions of the classical regression model. • The difference between mathematical and statistical models • Evaluation of regression models • Autocorrelation and dynamic models. • Time series modelling. • Heteroskedasticity and Multicollinearity. • Diagnostic checking, model selection and specification. • Binary dependent variable models.
Contact Hours	<p>Teaching and learning is undertaken intensively over four days (26 hours), roughly half of those in practical sessions. Students will also be supported with their personal research into econometric approaches and modelling (4 hours).</p> <p>Apart from the four-day direct contact time, correspondence with students will be managed via Blackboard and email. Additionally, a discussion group will be set up on Blackboard where students can discuss issues of common interest. Staff can be invited into these discussions if the students so wish.</p>
Teaching and Learning Methods	<p>The approach to teaching and learning is primarily student centred engaging students in practical exercises, personal study, and critical reflection upon the relationship between theory and application. Where possible, students will be encouraged to draw upon their own experience.</p> <p>Scheduled learning: in the module is achieved through a combination of interactions between tutors and students including lectures, seminars, project supervision, work based learning, practical classes and workshops. The workshops will primarily be computer based exercises on Stata and will allow students to work through the topics covered in the lectures.</p> <p>Independent learning: includes essential reading, developing practical skills to use econometric tools and techniques, assignment preparation and competition, and production of a short reflective piece at the end of each teaching day summarising key concepts learned, key skills learned, and how that knowledge can be applied to the student's work.</p> <p>Readings and theoretical inputs provide students with knowledge and awareness of current applications to econometric modelling. The assessment is designed to provide an opportunity to critically reflection upon the relationship between econometric theory and application.</p> <p>Distance Learning: students who wish to study the module using a distance learning approach will be provided with video access to formal teaching sessions and written documentations to allow them to undertake practical work. Project supervision will be given using electronic video communication equipment (e.g. Skype).</p>
Key Information Sets Information	<p>The table below indicates as a percentage the total assessment of the module which constitutes a -</p> <p>Written Exam: Unseen written exam, open book written exam, In-class test Coursework: Written assignment or essay, report, dissertation, portfolio, project Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam</p> <p>Please note that this is the total of various types of assessment and will not necessarily reflect the component and module weightings in the Assessment section of this module description:</p>

	Total assessment of the module:			
	Written exam assessment percentage		50%	
	Coursework assessment percentage		50%	
	Practical exam assessment percentage		0%	
			100%	
Reading Strategy	All students will be encouraged to make full use of the print and electronic resources available to them through membership of the University. These include a range of electronic journals and a wide variety of resources available through web sites and information gateways. The University Library's web pages provide access to subject relevant resources and services, and to the library catalogue. Many resources can be accessed remotely. Students will be presented with opportunities within the curriculum to develop their information retrieval and evaluation skills in order to identify such resources effectively.			

Part 3: Assessment	
Assessment Strategy	<p>Summative assessment will be in two parts.</p> <p>Summative Assessment: Component A Component A is a viva voce examination of 30 minutes, which will take place shortly after the completion of Component B. They will be asked questions by their supervisor and one other member of the School. It will test students' understanding of the purpose and value of regression by asking them to comment on their coursework, and/or an econometric case study. Students will be required to discuss findings and interpretations. The assessment will also be used to test their methodological understanding (Learning Outcomes 1, 2, 3). The scope for this viva voce examination is everything covered in the course.</p> <p>Summative Assessment: Component B For this assessment, students will be required to identify a problem relevant to their work for which regression analysis is an appropriate solution. They will then be required to acquire the data, estimate the model, and comment on the methods and results (LO 1,2,3,4,5,6).</p> <p>Submissions will be graded on the appropriateness of the problem identified and addressed (LO 2,4,5,6), the quality of the interpretation (LO1,4,5), and the awareness of the strengths and limitations of this approach in general and their method in particular (LO2,3).</p> <p>Formative Assessment Formative assessment will be carried out throughout the module by setting regular tasks for students that will assess their grasp of the material covered. Tasks will be reviewed as part of the sessions. In addition, at the end of each day students will be required to produce a short reflective piece summarising key concepts learned, key skills learned, and how that knowledge can be applied to the student's work.</p>

Identify final assessment component and element	Component A	
% weighting between components A and B (Standard modules only)	A:	B:
	25%	75%
First Sit		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
1. Viva voce examination	100%	
Component B Description of each element	Element weighting (as % of component)	
1. Individual coursework assignment of up to 3000 words	100%	

Resit (further attendance at taught classes is not required)		
Component A (controlled conditions) Description of each element	Element weighting (as % of component)	
2. Viva voce examination	100%	
Component B Description of each element	Element weighting (as % of component)	
2. Individual coursework assignment of up to 3000 words	100%	
<p>If a student is permitted a retake of the module under the University Regulations and Procedures, the assessment will be that indicated by the Module Description at the time that retake commences.</p>		