University of the
West of England
BRISTOL

MODULE SPECIFICATION

Part 1: Information			
Module Title	Advanced Quantitative Research Techniques		
Module Code	UMADNE-30-M	Level	M
For implementation from	September 2017		
UWE Credit Rating	30	ECTS Credit Rating	15
Faculty	Business and Law	Field	Accounting and Finance
Department	Accounting, Economics and Finance		
Contributes towards	PG Research		
Module type:	Project		
Pre-requisites	None		
Excluded Combinations	None		
Co- requisites	None		
Module Entry requirements	None		

Part 2: Description
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. 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. 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

Part 3: Assessment
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.

Identify final timetabled piece of assessment (component and element)	Component A	

% weighting between components A and B (Standard modules only)	**A:** **100%**	**B**: N/A

First Sit

Component A (controlled conditions) **Description of each element**	**Element weighting** (as % of component)
1. 7500 word supervised empirical project	100%

Resit (further attendance at taught classes is not required)

Component A (controlled conditions) **Description of each element**	**Element weighting** (as % of component)
1. 7500 word supervised empirical project	100%

Part 4: Teaching and Learning Methods

Learning Outcomes	On successful completion of this module students will be able to: • Apply advanced modern econometric and statistical techniques, and critically assess and discriminate between the various techniques applicable to complex empirical questions. • Appreciate the relationships between research questions, research method, and quantitative techniques. • Conceptualise an empirical research question in the field of accounting and finance and formulate an appropriate quantitative approach. • Demonstrate an understanding of the various techniques of quantitative data analysis and an understanding of the appropriateness of these techniques to specific research questions. • Conceptualise a strategy involving the various milestones required when writing an empirical piece of work at PhD level. • Appraise the implications of correctly estimating and testing empirical models, and relating the findings to the existing literature. All the above learning outcomes are formally assessed through Component A

Key Information Sets Information (KIS) Contact Hours	**Key Information Set - Module data**					

	Number of credits for this module			30		

Hours to be allocated	Scheduled learning and teaching study hours	Independent study hours	Placement study hours	Allocated Hours	
300	42	258	0	300	✅

Total Assessment	The table below indicates as a percentage the total assessment of the module which constitutes a;
	Written Exam: Unseen or open book written exam
	Coursework: Written assignment or essay, report, dissertation, portfolio, project or in class test
	Practical Exam: Oral Assessment and/or presentation, practical skills assessment, practical exam (i.e. an exam determining mastery of a technique)

Total assessment of the module:		
Written exam assessment percentage	0%
Coursework assessment percentage	100%
Practical exam assessment percentage	0%
	100%

Reading List	The reading list is available from https://uwe.rl.talis.com/lists/41C63AC2-7C5D-EC6A-9C2E-00BFD3C4F568.html

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First CAP Approval Date	22 March 2017	link to RIA		
Revision CAP Approval Date *Update this row each time a change goes to CAP*		Version	*2*	*Link to RIA*