University of the West of Scotland

Module Descriptor

Session: 2024-25

Title of Module: Data Analysis for the Social Sciences			
Code: SOCY09055	**SCQF Level: 9 (Scottish Credit and Qualifications Framework)**	**Credit Points: 20**	**ECTS: 10 (European Credit Transfer Scheme)**
School:	School of Education & Social Sciences		
Module Co-ordinator:	N Jenkins		

Summary of Module
This practical module equips students with work-ready skills in quantitative data analysis (analysing numerical information) and qualitative data analysis (analysing non-numerical information).
Part 1 focuses on developing knowledge and skills in data analysis - such as how to formulate and structure empirical research, as well as how to condense, display and draw inferences from qualitative information.
Part 2 enables students to specialise in either quantitative data analysis or qualitative analysis by conducting a secondary data analysis project under the direction of the teaching team.
Across the module students learn how to use specialist analysis software (e.g. R, Taguette) to undertake their data analysis, skills which can be applied during their 4th year dissertation projects.
On successful completion of the module, students will have the skills and the confidence necessary to conduct robust data analysis, which will enhance students' employment prospects and help prepare students for their honours year dissertation projects. Students planning to collect real world data for their dissertation projects are therefore ** strongly encouraged** to take this module.

Module Delivery Method					
Face-To-Face	**Blended**	**Fully Online**	**HybridC**	**Hybrid 0**	**Work-Based Learning**
☒	☐	☐	☐	☐	☐
See Guidance Note for details.					

Campus(es) for Module Delivery

The module will **normally** be offered on the following campuses / or by Distance/Online Learning: (Provided viable student numbers permit) (tick as appropriate)						
Paisley:	Ayr:	Dumfries:	Lanarkshire:	London:	Distance/Online Learning:	Other:
☒	☐	☐	☒	☐	☐	Add name

Term(s) for Module Delivery					
(Provided viable student numbers permit).					
Term 1	☒	Term 2	☐	Term 3	☐

Learning Outcomes: (maximum of 5 statements) **These should take cognisance of the SCQF level descriptors and be at the appropriate level for the module.** At the end of this module the student will be able to:	
L1	Demonstrate critical knowledge, skills and understanding in quantitative data analysis.
L2	Demonstrate critical knowledge, skills and understanding in qualitative data analysis
L3	Conduct a secondary data analysis project using either quantitative data or qualitative data, under the supervision of the teaching team.
L4	Demonstrate critical understanding of the strengths and the limitations of one's own data analysis work.
L5	

Employability Skills and Personal Development Planning (PDP) Skills	
SCQF Headings	During completion of this module, there will be an opportunity to achieve core skills in:
Knowledge and Understanding (K and U)	SCQF Level **9** Demonstrate critical knowledge and understanding of quantitative data analysis and qualitative data analysis, including the role of data analysis in advancing social theory.
Practice: Applied Knowledge and Understanding	SCQF Level **9** Application of critical knowledge and understanding in order to conduct a discrete piece of secondary data analysis.
Generic Cognitive skills	SCQF Level **9**

	Critical presentation and evaluation of the results of secondary data analysis that address a pre-defined research question.
Communication, ICT and Numeracy Skills	SCQF Level **9** Use of specialist, open-source software (e.g. R, Taguette) to manage, organise and analyse data. Use of real-world, high quality data (e.g., British Social Attitudes survey).
Autonomy, Accountability and Working with others	SCQF Level **9** To complete a secondary data analysis project to an agreed deadline under the supervision of the teaching team.

Pre-requisites:	Before undertaking this module the student should have undertaken the following:	
	Module Code:	**Module Title:** Foundations of Quantitative Research Foundations of Qualitative Research
	Other:	
Co-requisites	**Module Code:**	**Module Title:**

*Indicates that module descriptor is not published.

Learning and Teaching	
In line with current learning and teaching principles, a 20-credit module includes 200 learning hours, normally including a minimum of 36 contact hours and maximum of 48 contact hours.	
Learning Activities During completion of this module, the learning activities undertaken to achieve the module learning outcomes are stated below:	**Student Learning Hours** (Normally totalling 200 hours): (Note: Learning hours include both contact hours and hours spent on other learning activities)
Lecture/Core Content Delivery	12
Tutorial/Synchronous Support Activity	22
Asynchronous Class Activity	10
Independent Study	156

	Hours Total 200

**Indicative Resources: (eg. Core text, journals, internet access)

The following materials form essential underpinning for the module content and ultimately for the learning outcomes:

Fogary, B. (2023). Quantitative social science data with R: an introduction. 2nd Edition. Thousand Oaks: Sage.

Miles M, Huberman A, Saldana J. (2019). Qualitative Data Analysis: A Methods Sourcebook. 4th Edition. Thousand Oaks: Sage.

Saldana J. (2015). The Coding Manual for Qualitative Researchers. 3rd Edition. Thousand Oaks: Sage.

(**N.B. Although reading lists should include current publications, students are advised (particularly for material marked with an asterisk*) to wait until the start of session for confirmation of the most up-to-date material)

Attendance and Engagement Requirements

In line with the Student Attendance and Engagement Procedure: Students are academically engaged if they are regularly attending and participating in timetabled on-campus and online teaching sessions, asynchronous online learning activities, course-related learning resources, and complete assessments and submit these on time.

For the purposes of this module, academic engagement equates to the following:

- On-campus attendance of weekly lectures and seminars

Equality and Diversity

The University's Equality, Diversity and Human Rights Procedure can be accessed at the following link: UWS Equality, Diversity and Human Rights Code.

Please ensure any specific requirements are detailed in this section. Module Co-ordinators should consider the accessibility of their module for groups with protected characteristics..

(N.B. Every effort will be made by the University to accommodate any equality and diversity issues brought to the attention of the School)

Supplemental Information

Divisional Programme Board	Social Sciences
Assessment Results (Pass/Fail)	Yes ☐No ☒
School Assessment Board	UG Social Sciences - Sociology and Social Policy
Moderator	D McDonnell
External Examiner	E Matchett
Accreditation Details	
Changes/Version Number	1.02 No changes for 24/25

Assessment: (also refer to Assessment Outcomes Grids below)
Assessment 1 – Assessment 1 Class Test (30%) Students will complete a timed test that will assess their understandings of key techniques in quantitative data analysis and qualitative data analysis.
Assessment 2 – Secondary Data Analysis Project (70%) Students will conduct a discrete piece of EITHER quantitative data analysis OR qualitative data analysis under the supervision of the teaching team.
(N.B. (i) **Assessment Outcomes Grids** for the module (one for each component) can be found below which clearly demonstrate how the learning outcomes of the module will be assessed. (ii) An **indicative schedule** listing approximate times within the academic calendar when assessment is likely to feature will be provided within the Student Module Handbook.)

Assessment Outcome Grids (See Guidance Note)

Component 1							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Class Test	v	v				60	20

Component 2							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Secondary Data Analysis			v	v		40	16

Component 3							
Assessment Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetabled Contact Hours
Combined Total for All Components						100%	XX hours

Change Control:

What	When	Who
Further guidance on aggregate regulation and application when completing template	16/01/2020	H McLean
Updated contact hours	14/09/21	H McLean
Updated Student Attendance and Engagement Procedure	19/10/2023	C Winter
Updated UWS Equality, Diversity and Human Rights Code	19/10/2023	C Winter
Guidance Note 23-24 provided	12/12/23	D Taylor
General housekeeping to text across sections. .	12/12/23	D Taylor

Version Number: MD Template 1 (2023-24)