University of the West of Scotland

Module Descriptor

Session: 2024/25

Code: COMP11017	SCQF Level: 11 (Scottish Credit and Qualifications Framework)	Credit Points: 10	ECTS: 5 (European Credit Transfer Scheme)
School:	School of Computi Sciences	ng, Engineering an	nd Physical
Module Co-ordinator:	Daune West		
Summary of Module			
 Specifyi Literature Quantitate Qualitate The Arte 	introduced to the diffe ative and qualitative re- proaches (e.g. experi- such as: planning, des of data sources, use ts, literature research , legal and ethical requi- places emphasis upo sess and plan the exe- vide the student with rsal: analytical, critica effective communica- e, resilient, transforma I Principles of Resear ing a Project; Project re Reviews ative research and me	erent approaches to u esearch), and alterna mentation, action res signing, resourcing, s of library resources, , critiquing published uirements and constr on the student being a ecution of a piece of the the opportunity to de I thinker, inquiring; W tor, motivated, enterp ational. ch Planning; Resources ethods - example of s	undertaking and tive methods of search) sampling, data presenting research research, reflection raints. able to demonstrate research suitable evelop the following /ork-ready: orising; Successful:

Module Delivery Method

Face-To- Face	Blended	Fully Online	HybridC	Hybrid 0	Work-Based Learning
\boxtimes	\boxtimes				

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:
\boxtimes			\boxtimes	\boxtimes		Add name

Term(s) for Module Delivery							
(Provided viat	(Provided viable student numbers permit).						
Term 1	\boxtimes	Term 2	\boxtimes	Term 3			

These appro	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	Critically evaluate, identify and consider the practical use of approaches to research appropriate to their subject discipline							
L2		uate critically arguments, research approaches, evidence and he academic and research literature of their subject discipline						
L3	propose, constr postgraduate re	uct, plan and defend a suitable research proposal for a MSc level search project						
Emplo	oyability Skills	and Personal Development Planning (PDP) Skills						
SCQF	SCQF Headings During completion of this module, there will be an opportunity achieve core skills in:							
	edge and standing (K)	SCQF Level 11 Developing a reliable research strategy; establishing an appropriate theoretical underpinning; undertaking ethical research; collecting and using data to answer a stated research question/support an argument.						

Practice: Applied Knowledge and Understanding	SCQF Level 11 Data collection, data analysis, designing and applying research design strategies, undertaking critique, problem solving					
Generic Cognitive skills	SCQF Level 11 Developing strategies for research, critiquing one's own and others' work, reflective practice, building arguments from others' work; designing a comprehensive and joined-up blue-print for research activities					
Communication, ICT and Numeracy Skills	Use of appropriate com presentation. Discussion of appropria	SCQF Level Choose an item. Use of appropriate computer software for written and oral presentation. Discussion of appropriate use of ICT in support of research objectives (e.g. data collection and analysis).				
Autonomy, Accountability and Working with others	Responsibility for selec	SCQF Level Choose an item. Responsibility for selection of research topic, ownership of research process including integrity of source usage (e.g. literature, ethical practice)				
Pre-requisites:	Before undertaking this module the student should have undertaken the following:					
	Module Code: Module Title:					
	Other:					
Co-requisites	Module Code:	Module Title:				

*Indicates that module descriptor is not published.

Learning and Teaching

The module comprises lectures, tutorials exercises worked in class on an individual and/or group basis. Guest lectures are used, wherever possible, to help extend students' contact with active researchers in the School and to provide specialist knowledge. Further useful materials on research approaches, methodology, practical guidelines for undertaking research are provided on Aula in addition to class examples and exercises.

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	10
Tutorial/Synchronous Support Activity	8

Independent Study	82
	100 Hours Total
**Indicative Resources: (eg. Core text, journa	ls, internet access)
The following materials form essential underpinn ultimately for the learning outcomes:	ing for the module content and
Creswell, J.W.(2018) Research Design: Qualitative, Qua (5th edit.) Sage	ntitative, and Mixed Methods Approaches,
Kara, H (2018) Research Ethics in the Real World, Polic	y Press
Mbanaso, U.M., Abrahams, L and Okafor, K.C. (2023) R Information Systems and Cybersecurity, Springer Cham	esearch Techniques for Computer Science
Oates, B., Griffiths, M. and McLean, R. (2022) Research Sage	ning Information Systems and Computing,
Wisker, G. (2018) The Undergraduate Research Handbo	ook, Sage
Wisker, G. (2nd edit.) (2008) The Postgraduate Researc	h Handbook, Palgrave
Please ensure the list is kept short and current. included, broader resources should be kept for m	
Resources should be listed in Right Harvard refe body deviation and in alphabetical order.	rencing style or agreed professional
(**N.B. Although reading lists should include curr advised (particularly for material marked with an session for confirmation of the most up-to-date m	asterisk*) to wait until the start of
Attendance and Engagement Requirements	
In line with the <u>Student Attendance and Engager</u> academically engaged if they are regularly attend on-campus and online teaching sessions, asynch course-related learning resources, and complete time.	ding and participating in timetabled nronous online learning activities,
For the purposes of this module, academic enga	gement equates to the following:
Attendance at all timetabled classes, undertaking assessment on time.	g tutorial exercises, submitting all

Equality and Diversity

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

Please ensure any specific requirements are detailed in this section. Module Coordinators 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	
Assessment Results (Pass/Fail)	Yes □No ⊠
School Assessment Board	Computing
Moderator	Graeme McRobbie
External Examiner	C. Luo
Accreditation Details	Contact School for current details
Changes/Version Number	2.15

Assessment: (also refer to Assessment Outcomes Grids below)

There is a single assessment for this module which is split into two separate parts: Verbal Presentation (5 minute) and defence of proposed research project through the use of suitable presentation software. Week ~6 worth 20% Written MSc level Research Project Specification. ~2250 words. Week 12 worth 80%

Students need to attain an overall mark of 50% to pass the module.

Assessment 1 – Verbal Presentation; Written specification

(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								
Assessme nt Type (Footnote B.)	Learning Outcome (1)	Outcome	Learning Outcome (3)	-	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetable d Contact Hours	
Verbal Presentatio n	\checkmark	\checkmark	~			100	0	

Component 2							
Assessme nt Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetable d Contact Hours
Written specificatio n							

Component	3						
Assessme nt Type (Footnote B.)	Learning Outcome (1)	Learning Outcome (2)	Learning Outcome (3)	Learning Outcome (4)	Learning Outcome (5)	Weighting (%) of Assessment Element	Timetable d Contact Hours
				otal for All C	omponents	100%	XX hours