Prifysgol **Wrecsam**
Wrexham University

Module specification

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Module Code	CONL718
Module Title	Dissertation
Level	7
Credit value	15
Faculty	FACE
HECoS Code	101088
Cost Code	GACP

Programmes in which module to be offered.

Programme title	Is the module core or option for this programme
MSc Computer Science (online)	Core
MSc Computer Science with Artificial Intelligence	Core
MSc Computer Science with Big Data Analytics	Core
MSc Computer Science with Cyber Security	Core
MSc Computer Science with Software Engineering	Core
MSc Computer Science with UX	Core

Pre-requisites

None

Breakdown of module hours

Learning and teaching hours	15 hrs
Placement tutor support	0 hrs
Supervised learning e.g. practical classes, workshops	0 hrs
Project supervision (level 6 projects and dissertation modules only)	0 hrs
Total active learning and teaching hours	15 hrs
Placement / work based learning	0 hrs
Guided independent study	135 hrs
Module duration (total hours)	150 hrs

For office use only	
Initial approval date	04/09/2019
With effect from date	01/01/2020
Date and details of revision	27/06/2024 Programme revalidation
Version number	3

Module aims.

The aim of this module is to provide students with a comprehensive understanding of key concepts, methodologies, and approaches within their chosen field of study. Through exploring their chosen research field, students will conduct studies to further contribute to knowledge. This module will support and aid students in carrying out an independent project under the supervision of the programme team staff on a topic directly related to their degree programme specialism. At the end of this module, students would have produced a detailed and comprehensive investigation into a research area of their interest.

Module Learning Outcomes - at the end of this module, students will be able to:

1	Exhibit a comprehensive and profound understanding of a chosen research area.
2	Undertake an in-depth and concentrated review of the literature in a chosen research area.
3	Engage in relevant research studies to investigate further and contribute new insights to the chosen research area.
4	Apply knowledge and expertise to formulate and address key research questions and hypotheses.
5	Demonstrate the ability to utilise and exhibit well-thought-out approaches and techniques relevant to the research area.

Assessment

This section outlines the type of assessment task the student will be expected to complete as part of the module. More details will be made available in the relevant academic year module handbook.

Indicative Assessment Tasks:

The assessment will be split into two sections. The first submission of the dissertation assessment will include the first 50% of the dissertation and contain elements including chapter 1 (introduction, background, aims, objectives, methodology etc). The second submission will include the final 50% of the dissertation and contain all elements including the results, discussion, conclusion, future work. The purpose of two submission points is to encourage student engagement with supervisors and obtain feedback throughout the project duration.

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	1, 2, 4, 5	Dissertation/Project	50%
2	1, 3, 4, 5	Dissertation/Project	50%

Derogations

None

Learning and Teaching Strategies

The overall learning and teaching strategy is one of guided independent study requiring ongoing student engagement. Online material will provide the foundation of the learning resources, requiring the students to log in and engage regularly throughout the eight weeks of the module. There will be a mix of suggested readings, discussions and interactive content containing embedded digital media and self-checks for students to complete as they work through the material and undertake the assessment tasks. A range of digital tools via the virtual learning environment and additional sources of reading will also be utilised to accommodate learning styles. There is access to a helpline for additional support and chat facilities through Canvas for messaging and responding.

Indicative Syllabus Outline

- Getting Started with your dissertation.
- Research ethics and Obtaining approval for research projects.
- Abstracts and introduction
- Data collection and analysis
- Dissertation structure and write-up
- Dissertation results and discussion
- Proofreading, Referencing and publication

Indicative Bibliography:

Please note the essential reads and other indicative reading are subject to annual review and update.

Essential Reads

D. E. Gray, *Doing Research in the Real World*, 5th ed. London, U.K.: SAGE Publications Ltd., 2022.

Other indicative reading

B. J. Oates, M. Griffiths, and R. McLean, *Researching Information Systems and Computing*, 2nd ed. London, U.K.: SAGE Publications Ltd., 2022.

E. C. Leong et al., *Guide to Research Projects for Engineering Students: Planning, Writing and Presenting*. Oakville, ON: Apple Academic Press Inc., 2016.