

Dissertation Research Methods

Module Information

2022.01, Approved

Summary Information

Module Code	7140COMP
Formal Module Title	Dissertation Research Methods
Owning School	Computer Science and Mathematics
Career	Postgraduate Taught
Credits	20
Academic level	FHEQ Level 7
Grading Schema	50

Teaching Responsibility

LJMU Schools involved in Delivery
Computer Science and Mathematics

Learning Methods

Learning Method Type	Hours
Lecture	11
Seminar	22

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-CTY	CTY	September	12 Weeks

Aims and Outcomes

Aims	- To develop knowledge of effective and academic research design at masters level and provide guidance on the purpose and design of literature reviews; the use of theory; writing strategies; citation and ethical considerations.
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After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Search, critically analyse and summarise research in the disciplines of Computing and Information Systems.
MLO2	2	Carry out critical analysis of advanced scholarship and published research can be used to develop a project that contributes to academic or professional knowledge and understanding.
MLO3	3	Critically evaluate the range of qualitative and quantitative data and information collection strategies that can be used and make informed decisions about which are relevant for different purposes.
MLO4	4	Write a successful interim report which outlines and evaluates the research process and method(s) most appropriate to investigate the student's own research question/subject

Module Content

Outline Syllabus	Research principles and design;Identifying research issues and developing research questions;Critiquing research and Research ethics;Literature searching, reviewing and citation;Research planning: writing project proposals, time management, costing;Qualitative methods and data analysis;Quantitative methods and data analysis;Performance Analysis and Simulation;Sampling and Presentation of data;Dissertation and report writing.
Module Overview	
Additional Information	This module provides generic and specific research methods skills, which will help equip the student for the project module and also for possible future research career.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Report	A critical review	40	0	MLO1
Centralised Exam	Interim report	60	0	MLO2, MLO3, MLO4

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Rubem Pereira	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings
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