

## Liverpool John Moores University

Title: DISSERTATION RESEARCH METHODS  
Status: Definitive  
Code: **7140COMP** (122549)  
Version Start Date: 01-08-2021

Owning School/Faculty: Computer Science and Mathematics  
Teaching School/Faculty: Computer Science and Mathematics

Team	Leader
Rubem Pereira	Y

**Academic Level:** FHEQ7  
**Credit Value:** 20  
**Total Delivered Hours:** 33  
**Total Learning Hours:** 200  
**Private Study:** 167

### Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	11
Seminar	22

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	A critical review	40	
Report	AS2	Interim report	60	

### 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.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Search, critically analyse and summarise research in the disciplines of Computing and Information Systems.
- 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.
- 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.
- 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

### **Learning Outcomes of Assessments**

The assessment item list is assessed via the learning outcomes listed:

A critical review	1		
Interim report	2	3	4

### **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.*

### **Learning Activities**

Formal lectures will introduce core topics. Seminars and in-class group activities will provide exercises to develop skills

### **Notes**

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.