

## Liverpool John Moores University

Title: RESEARCH METHODOLOGY, METHODS & DATA ANALYSIS  
Status: Definitive  
Code: **70102PQHEA** (124617)  
Version Start Date: 01-08-2021

Owning School/Faculty: Nursing and Allied Health  
Teaching School/Faculty: Nursing and Allied Health

Team	Leader
Colin Jones	Y

**Academic Level:** FHEQ7      **Credit Value:** 30      **Total Delivered Hours:** 30

**Total Learning Hours:** 300      **Private Study:** 270

### Delivery Options

Course typically offered: Runs Twice - S1 & S2

Component	Contact Hours
Lecture	24
Seminar	2
Tutorial	1
Workshop	3

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	AS1	Essay – research methodology 2000 words	40	
Report	AS2	Protocol – research design 1500 words	40	
Test	AS3	Data analysis- statistical exercise SPSS no word limit	20	

### Aims

*1. To provide a critical knowledge base of the philosophical foundations of health and social research.*

2. To enable the student to develop expertise in a qualitative and quantitative data analysis.
3. To prepare the student to carry out empirical and literature based research.

## Learning Outcomes

After completing the module the student should be able to:

- 1 Critically discuss the philosophical perspectives that underpin health and social research.
- 2 Define and justify appropriate research questions.
- 3 Critically evaluate data collection techniques.
- 4 Identify and systematically interrogate research evidence.
- 5 Analyse numerical and non-numerical data.
- 6 Critically explore the ethical dimensions of research.
- 7 Analyse the relationship between research and the socio-political environment.

## Learning Outcomes of Assessments

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

Methodology Debate	1	6	7
Protocol - Research Design	2	3	4
Data Analysis	5		

## Outline Syllabus

- *Philosophy of research*
- *The relationship between research and the social, political and economic environment*
- *Positivist and interpretative perspectives in research*
- *Action research*
- *Qualitative methods, data collection & analysis*
- *Quantitative methods, data collection & analysis*
- *The research process: asking research questions, research design, data collection, dissemination*
- *The research process: funding and support, peer review, policy development*
- *Ethics*

## Learning Activities

Lectures, group discussion, group work, online learning, independent study, data analysis exercises.

## **Notes**

This module encourages students to develop their skills as a potential producer of research, as well as their ability to systematically evaluate research outcomes from a variety of sources. In addition, students will engage in a variety of data analysis techniques. The module is firmly based in a thorough philosophical understanding of the nature of research and its implications in health and social care practice.