

## Liverpool John Moores University

Title: Fundamentals of Quantitative Research  
Status: Definitive  
Code: **7008MRESHW** (125816)  
Version Start Date: 01-08-2021

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

Team	Leader
Ian Jones	Y

**Academic Level:** FHEQ7      **Credit Value:** 30      **Total Delivered Hours:** 40  
**Total Learning Hours:** 300      **Private Study:** 260

### Delivery Options

Course typically offered: Semester 2

Component	Contact Hours
Lecture	15
Online	10
Seminar	10
Tutorial	5

**Grading Basis:** 50 %

### Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Essay	Essay	Essay (3500 words)	60	
Report	Report	Report (2000 words)	40	

### Aims

*The aim of the module is to provide the student with a practical understanding of the quantitative research methods used in health related research.*

### Learning Outcomes

After completing the module the student should be able to:

- 1 Critically appraise and evaluate a range of quantitative research designs and select those appropriate for a specified research question/hypothesis
- 2 Demonstrate a systematic understanding of a chosen study design that allows the student to answer a research question/ test a hypothesis
- 3 Demonstrate a comprehensive understanding of the different forms of bias in quantitative research design
- 4 Critically appraise a range of descriptive and inferential statistical analyses undertaken in quantitative research and select those appropriate to the research design and data

### **Learning Outcomes of Assessments**

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

Research proposal 3500 words	4	3	1	2
Statistics report 2000 words	4	3	2	

### **Outline Syllabus**

*Philosophical/ontological arguments*

*Data collection tools and methods*

*Data analysis methods*

*Mixed methods*

*Statistics*

*SPSS*

### **Learning Activities**

Lecture components

Discussion/seminars

Directed Study

Online discussions

### **Notes**

The aim of the module is to provide the student with a practical understanding of the quantitative research methods used in health related research.