

Liverpool John Moores University

Title: RESEARCH METHODS AND STATISTICS
Status: Definitive
Code: **7010OCCPSY** (113762)
Version Start Date: 01-08-2011

Owning School/Faculty: Natural Sciences & Psychology
Teaching School/Faculty: Natural Sciences & Psychology

Team	Leader
Angela Nananidou	Y
Susan Giles	
Paul Lattimore	
Helen Poole	

Academic Level: FHEQ7 **Credit Value:** 12.00 **Total Delivered Hours:** 22.00

Total Learning Hours: 120 **Private Study:** 98

Delivery Options

Course typically offered: Semester 1

Component	Contact Hours
Lecture	8.000
Workshop	14.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Report	Quant 1	Qualitative Project Report OR Factor Analytic Study , 2,000 word limit	50.0	
Report	Quant 2	Quantitative Project Report, 2,000 word limit	50.0	

Aims

1. To provide a systematic understanding and critical awareness of the various research methods and statistical techniques appropriate for a general postgraduate training in psychology.

2. To provide a context for the practical application of advanced computer based statistical procedures of data analysis with the objective of addressing a research question in the area of occupational psychology.

Learning Outcomes

After completing the module the student should be able to:

- 1 Demonstrate a critical awareness of investigative techniques in psychological research such as factor analysis, interviewing, observation, and questionnaire and survey methodologies.
- 2 Understand and demonstrate the appropriate use of multivariate statistical techniques.

Learning Outcomes of Assessments

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

QUANTITATIVE 1	1
QUANTITATIVE 2	2

Outline Syllabus

1. *Qualitative and related techniques: questionnaire design; semi-structured and unstructured interviews; observational methods and single case designs.*
2. *Factor Analysis.*
3. *Principles and methods of multivariate statistical techniques: , analysis of variance and covariance structures; and regression analysis.*

Learning Activities

Primarily workshop-based with underpinning lecture material.

References

Course Material	Book
Author	Francis, R.
Publishing Year	1999
Title	Ethics for Psychologists: A Handbook.
Subtitle	
Edition	
Publisher	Leicester: BPS Books.
ISBN	

Course Material	Book
Author	Tabachnik, B., & Fidell, L.S.
Publishing Year	2001
Title	Using Multivariate Statistics.
Subtitle	
Edition	
Publisher	Boston MA USA:Allyn and Bacon
ISBN	0-321-05677-9

Course Material	Book
Author	Breakwell, G. M., Hammond, S., Fife-Shaw, C. & Smith, J. A.
Publishing Year	2006
Title	Research Methods in Psychology
Subtitle	
Edition	
Publisher	Sage
ISBN	

Notes

This module covers the principles and methods of research design, execution and analysis.