

Module code	PSY732			Level	7
Module title	Quantitative Research Methods in Psychology				
Status	Core				
Teaching Period	Spring				
Courses on which the module is taught	MSc Psychology (Conversion)				
Prerequisite modules	NA				
Notional learning hours	200	Credit value	20	ECTS Credits	10
Field trips?	NA				
Additional costs	NA				
Content notes	NA				

1. Module description

Research Methods concerns how to conduct research so that the findings are valid and reliable. In this module you will apply quantitative research methods in Psychology including recruiting participants and collecting data in experimental and non-experimental research design. You will learn how to conduct and interpret statistical analyses on data (such as correlation, *t*-tests and more advanced analyses) and how to write an associated research report in APA format. In this module you will incorporate ethical procedures relevant to conducting quantitative research.

At the end of this module, you will be capable of selecting and applying quantitative research methods, designs, and analyses to solve scientific problems. You will be able to critically analyse and evaluate data, interpret findings, and produce a scientific report in Psychology. You will engage in in-class activities to enrich your understanding of ethical issues and procedures in quantitative research.

Please note that this module is pre-requisite for the Empirical Project in Psychology; you will be able to choose quantitative methods for your final research project only if you have passed this module.

2. Learning Outcomes

Decision making (MLO4)

Formulate informed decisions and adapt appropriate advanced problem-solving strategies regarding quantitative research design and analyses.

Digital data and tools (MLO6)

Appraise and utilise digital tools to analyse complex quantitative data in Psychology.

Discipline skills (MLO8)

Combine and employ advanced knowledge in Psychology, quantitative techniques and tools for research purposes.

Interdisciplinary Perspectives (MLO9)

Integrate different disciplinary approaches from the fields of Psychology proposing insights into multifaceted, complex scenarios.

3. Learning and teaching methods, and reasonable adjustments

This module will balance active learning with practical and experiential activities to consolidate and apply knowledge; you will get an understanding of psychological methods and investigations as well as statistics. The activities presented in class, along with the teaching sessions, will contribute to your understanding and learning of quantitative research methods and statistics in Psychology. Sessions will involve a range of theoretical discussions and practical exercises conducted in groups and as a class.

Learning hours			200
Directed learning			48
Workshops/ classes/ seminars/ lead events	Supervision	Studio time	Other
48	0	0	0
Guided/Self-guided learning			152

4. Assessments and weighting, reasonable adjustment, and feedback methods**Assessment component 1:**

Lab Report

Weight (%): 50%

Word count: a maximum of 2500 words

You will be asked to individually write a report in line with APA guidelines on an experiment relevant to Psychology research, conducted as a class under the supervision of your tutor.

Reasonable adjustments for the assessment will be confirmed with students that have a support plan in place.

Assessment Component 2:

SPSS Assessment

Weight (%): 50%

Word count or equivalent: completed SPSS analyses and additional questionnaire

You will be asked to conduct and interpret the results of specific analyses previously explored in class during the term, using new data provided by the tutor. This task must be completed within 48 hours.

Reasonable adjustments for the assessment will be confirmed with students that have a support plan in place.

Mapping of assessment tasks:

Assessment components	LO4	LO6	LO8	LO9
Lab Report		X	X	X
SPSS Assessment	X	X	X	

The above assessment components are summative. Students will have the opportunity for formative assessment and feedback before the summative assessment.

5. Indicative resources

APA (2020). *Publication Manual of the American Psychological Association* (7th ed.). American Psychological Association.

Clark-Carter, D. (2024). *Quantitative Psychological Research: The Complete Student's Companion* (5th ed.). Routledge Publications.

Coolican, H. (2024). *Research Methods and Statistics in Psychology* (6th ed.). Routledge Publications.

Cozby, P.C. & Bates, S. (2024). *Methods in Behavioral Research* (15th ed.) McGraw-Hill.

Field, A. (2013). *Discovering Statistics using IBM SPSS Statistics*. (4th ed.). Sage.

Pallant, J. (2020). *SPSS Survival Manual* (7th ed.). McGraw-Hill.