Module Specification

Module Title	Research Methods and Statistics in Psychology II	Module Code	PSY209

Credit Value	15	Level	5	Mode of Delivery	On Campus		Semester A

Pre-requisite modules	Co-requisite modules	Overlapping modules
PSY100, PSY109		

1) Content Description

Provide a description of the module, as it will appear in the Module Directory and on the Student Information System (approx. 70-80 words).

This module builds on Research Methods and Statistics in Psychology I in year 1 and introduces advanced statistics necessary for conducting psychological research. It also introduces additional methods psychologists use including an introduction to qualitative methodology. The course will combine lectures and practical sessions including computerised statistical analysis. Specifically, topics covered include:

- The general linear model
- Analysis of variance with more than one level, including post-hoc comparisons
- Analysis of variance; understanding interactions
- Analysis of variance; repeated measures, mixed designs and ANCOVA
- Multiple regression
- Logistic regression
- Factor analysis
- Meta-analysis and its uses
- Qualitative methods; techniques for collecting verbal data, observation; analysis of qualitative data
- Critical evaluation of the utility of qualitative data in psychological science
- The use of SPSS for computing advanced statistical analyses

2) Module Aims

Specify the aims of the module, i.e. the broad educational purposed for offering this module.

To provide skills and understanding of advanced statistical tests and research methods used in psychology.

To provide a knowledge of computer-based implementation of advanced statistical analysis.

To refine student's skills in designing, analysing, interpreting and reporting scientific research in psychology.

To cover British Psychological Society (BPS) and QA areas for "research design and quantitative methods in psychology."

3) Learning Outcomes

Identify the learning outcomes for this module, i.e. knowledge, skills and attributes to be developed through completion of this module. Outcomes should be referenced to the relevant QAA benchmark statements and the Framework for Higher Education Qualifications in England, Wales and Northern Ireland (2008). The SEEC Credit Level Descriptors for Further and Higher Education 2003 and Queen Mary Statement of Graduate Attributes should also be used as a guiding framework for curriculum design.

Academic Content:	
A 1	To describe and use several advanced statistics in psychology including analysis of variance for more than one level, repeated measures analysis of variance, multiple regression, and logistic regression.
A 2	To understand the basic principles of additional forms of advanced statistics in psychology including factor analysis, and meta-analysis.
A 3	To understand and critically evaluate the properties of quantitative and qualitative data.
A 4	To understand the assumptions of the above statistical tests and the appropriate context for their use.
A 5	To have a thorough working knowledge of the Statistical Package for the Social Sciences (SPSS) software for analysing advanced statistics in psychology.

Disciplinary skills - able to:	
B1	This module will develop students' understanding, skills and knowledge necessary for designing, analysing and reporting empirical investigations in psychology.
B2	Students will acquire the skills to perform advanced statistical tests and develop an understanding of the assumptions underlying those statistics.
B3	Students will acquire practical computation skills using statistical software packages.

Attributes:	
C1	This module will enhance students' understanding of research methods and statistics necessary to perform and evaluate scientific psychological research.
C2	Through lectures, private study and related practical components students will improve their generic quantitative research skills and competencies in experimental design.
C3	The module will improve students' ability to handle information, to conduct independent study and to develop the skills to evaluate psychological research.

4) Reading List

Provide an indicative reading list for the module. This should include key texts and/or journals but should not be an exhaustive list of materials.

> Field, A. (2017). Discovering statistics using SPSS (5th ed.). London, UK: Sage.
> Howitt, D. & Cramer, D. (2016). Research methods in psychology (5th ed.). Harlow, UK: Pearson.

5) Teaching and Learning Profile

Provide details of the method of delivery (lectures, seminars, fieldwork, practical classes, etc.) used to enable the achievement of learning outcomes and an indicative number of hours for each activity to give an overall picture of the workload a student taking the module would be expected to undertake. This information will form

the Key Information Set for each undergraduate programme and will be used to populate the KIS widget found on the QMUL programme information pages. More information can be found online about KIS. You may also wish to refer to the QAA guidance on contact hours when completing this section.

Activity Type	KIS Category	Time Spent (in hours)
Lectures	Scheduled	22
Laboratory	Scheduled	10
	Total	32

Specify the total module notional study hours. This should be a total of the hours given for each activity. The notional study hours for each academic credit point is 10. A 15 credit point module therefore represents 150 notional study hours.

Activity Type	Total Time Spent (in hours)	Percentage of Time Spent
Scheduled learning and teaching	32	21
Placement	0	0
Independent Study	118	79
Total	150	100

Use the information provided in the box above to specify the total time spent and the percentage time spent in each category of teaching and learning activity.

6) Assessment Profile
Provide details of the assessment methods used to assess the achievement of learning outcomes.

Description of Assessment	Assessment Type	KIS Category	Duration/Length	Percentage Weighting	Final element of assessment	Qualifying Mark
Examination, essay based	Exam	Examination	2 Hours and 30 Minutes	50%	Yes	U40A
Coursework	Coursework	Coursework		50%	No	U40A

Final element of assessment: The assessment that takes place last. There should normally be only one element of assessment marked as final unless two assessment or submission dates occur on the same day. **Qualifying mark**: A specified minimum mark that must be obtained in one or more elements of assessment in order to pass a module. This is in addition to, and distinct from, the requirement to achieve a pass in the module mark to pass the module.

Reassessment
Provide details of the reassessment methods used, specifying whether reassessment is either standard reassessment or synoptic reassessment.

○ Standard Reassessment   ◉ Synoptic Reassessment

Synoptic reassessment details (if you have indicated synoptic reassessment above, please give details)		
Brief Description of Assessment	Assessment Type	Duration/Length of Examination/ Coursework
Exam	Exam	2 Hours and 30 Minutes