

Module Code:	PSY741
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Module Title:	Applied Research Methods
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Level:	7	Credit Value:	30
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Cost Centre(s):	GAPS	<u>JACS3</u> code:	C810
		<u>HECoS</u> code:	100493

Faculty	SALS	Module Leader:	Josh Payne
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Scheduled learning and teaching hours	36 hrs
Guided independent study	264 hrs
Placement	0 hrs
Module duration (total hours)	300 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
MSc Applied Psychological Practice	✓	<input type="checkbox"/>
MRes Psychology	✓	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

Pre-requisites
None.

Office use only

Initial approval: 12/02/2019
 With effect from: 23/09/2019
 Date and details of revision:

Version no: 1

Version no:

Module Aims

- To provide students with the knowledge and confidence to approach quantitative, qualitative, and experimental methods of research in psychology.
- To provide students with information on historical, ethical and practical issues related to statistical inference, experimental, and qualitative research design.

Intended Learning Outcomes

Key skills for employability

- KS1 Written, oral and media communication skills
- KS2 Leadership, team working and networking skills
- KS3 Opportunity, creativity and problem solving skills
- KS4 Information technology skills and digital literacy
- KS5 Information management skills
- KS6 Research skills
- KS7 Intercultural and sustainability skills
- KS8 Career management skills
- KS9 Learning to learn (managing personal and professional development, self-management)
- KS10 Numeracy

At the end of this module, students will be able to

Key Skills

1	Critically discuss the philosophical approaches to research methods, and apply them to applied psychological enquiry.	KS1	
		KS3	
		KS6	
2	Collect, analyse, and interpret raw data to produce original contributions to psychology.	KS1	KS5
		KS3	KS6
		KS4	KS10
3	Critically differentiate between research methods and apply them appropriately to design a research project.	KS3	
		KS6	
4	Demonstrate ethical awareness and understanding in relation to psychological research.	KS6	
		KS9	

Transferable skills and other attributes

IT skills using specific research software e.g. NVivo, SPSS, Jamovi, JASP
 Practical skills in utilising specific pieces of kit within the psychology lab.

Derogations

None.

Assessment:

Indicative Assessment Tasks:

1. The research proposal will outline an original idea and research project the student wishes to pursue as their research project.
2. The research report will be based on data collected as part of the class

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)	Duration or Word count (or equivalent if appropriate)
1	1, 3, 4	Research Proposal	50%	2000
2	2, 3, 4	Report	50%	2000
3		Attendance	0%	80%

Learning and Teaching Strategies:

Students will receive weekly lectures (2hours), followed by a weekly activity (1hour) such as a seminar or practical workshop (e.g. a critical discussion on a research paper, the collection of data, practical demonstration of psychological testing equipment). Students will also learn via self-directed study through independent reading and the completion of assignments. Individual tutorials will be available to students as an additional point of contact if requested by the student.

Syllabus outline:

- Quantitative Methods: ethical and philosophical approaches to statistical analysis (e.g., frequentist, Bayesian, Likelihoods), questionnaire design and psychometrics, power, equivalence testing, general linear model and extensions of these techniques, and other more advanced approaches appropriate for applied research.
- Qualitative Methods: qualitative philosophy, interview schedules, observation practices, focus groups, thematic analysis, phenomenology, interpretative phenomenological analysis, grounded theory, narrative analysis.
- Experimental Enquiry: experimental design and relevant software/skills, psychology lab tour, experimental neuropsychology research.
- The nature and practice of mixed methods.
- The role of ethics in research.
- Publishing and professional research practice.

Indicative Bibliography:

Essential reading

Barker C., Pistrang, N. & Elliott, R. (2015). *Research Methods in Clinical Psychology*. John Wiley and Sons

British Psychological Society. (2014). *Code of Human Research Ethics*. BPS

Other indicative reading & Additional Resources

<https://datalab.cc/tools/jamovi/>

British Psychological Society. (2018). *BPS Code of Ethics and Conduct*. BPS

British Psychological Society. (2017). *Ethics Guidelines for Internet-Mediated Research*. BPS

Smith, J.A. (2015). *Qualitative Psychology: A Practical Guide to Research Methods*. SAGE

Smith, J.A, Flowers, P & Larkin, M. (2009). *Interpretative Phenomenological Analysis: Theory, Method, and Research*. SAGE

Field, A. (2017). *Discovering Statistics with SPSS; Fifth Edition*. SAGE

Burns, R.B. & Dobson, C.B. (2012). *Experimental Psychology; Research Methods and Statistics*