Draft Proposal - Undergraduate Research Methods in Psychology

BSc (Hons) Psychology and Streams, 2024/5 entry

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Proposal for UG Research Methods 2024-5

Goldsmiths as a college bullshit -

Goldsmiths as a department - differentiation, unique properties - Interdisciplinary and methodologically rigorous and creative. Industry links and all that jazz.

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We embrace an Open Science approach in our efforts to cultivate your critical evaluation skills, enhance your understanding of the significance - and power - of research, and equip you with the necessary graduate-level skills to collect, handle, and interpret data using programming software for statistical model development, visualisation and analysis.

Through lectures, interactive group discussions, online skills development modules, and practical lab sessions, we will ignite your enthusiasm for Psychology and Behavioural Science research and help you develop the fundamental skills, knowledge - and confidence - required to become a Psychology literate, disruptive scientist of the future. Tada!

Communicate complex information effectively using appropriate written, oral, graphical and electronic means, taking into account diversity among individuals to whom the information is communicated.

Explain the potential impact of psychological research and theory on a broad range of real world settings and situations (e.g., classrooms, industry, commerce, healthcare, as well as local and global communities).

Problem-solve and reason scientifically. Specifically, graduates will be able to identify and pose research questions, consider alternative approaches to their solutions, and evaluate outcomes.

Be sensitive to contextual and interpersonal factors. Graduates will be familiar with the complexity of the factors that shape behaviour and social interaction which, in turn, will make them more aware of the bases of problems and interpersonal conflicts.

or Be a self-critical learner, showing sensitivity to contextual and interpersonal factors. Graduates will be familiar with the complexity of the factors that shape behaviour and social interaction which, in turn, will make them more aware of the bases of problems and interpersonal conflicts.

Show an understanding of various research paradigms, methods, and evaluation procedures, including statistical analysis, as well as their constraints.

Design, carry out, evaluate and interpret scientifically rigorous and ethically sound studies both independently and collaboratively, utilizing quantitative and qualitative methods, statistical analysis and modern digital software.

Proposal for UG Research Methods 2024-5

Psychological literacy is the ability to understand and apply psychological principles and theories to everyday life. This includes the ability to understand how psychological processes and phenomena influence our behavior, emotions, thoughts, and relationships. It also includes the capacity to use psychological knowledge to make informed decisions and to better understand, explain, and predict the behavior of self and others.

Psychology graduates are highly sought after by employers due to their ability to formulate and communicate well-reasoned, evidence-based, and statistically defensible arguments based on their expertise in the study of human behavior and its causes. On top of this, psychology graduates possess the skills to work independently or collaboratively, as well as strong numerical capabilities, verbal and written communication skills, and an up-to-date knowledge of digital technologies applicable to a wide range of occupational fields.

Intended Learning Outcomes

Create reproducible data analysis scripts and reports within the R statistical programming environment.

QAA Benchmarks

Subject Knowledge and Understanding

6.3.4 demonstrate detailed knowledge of several specialised areas and/or applications, some of which are at the cutting edge of research in the discipline 6.3.5 demonstrate a systematic knowledge of a range of research paradigms, research methods and measurement techniques, including statistics and probability, and be aware of their limitations.

Subject-specific skills

PS510XX - RM1 - Introduction to Research Methods and Data Skills

PS520XX - RM2 - Research Methods in Practice and Data Skills

PS530XX - RM3 - Research Project Incubator

*PS710XX - Practical Research Skills

Lectures - Overview of key concepts/context and preview Lab practicals / Data Skills

Labs - Practical or activity based (inc. Group Work)

Overview of RM Training

Y1 - showcase and active participation/skill development

Y2 - Practical drive towards self-motivated research

Y3 - Competent research

Pedagogical Overview

Social Constructivist

PeerMark

Podcast/Webpage/Blog

Integrate own interest/guided by stream/lab

Technical Overview

R will be used. Gold standard statistical programming language

For literate programming (The concept of **"literate programming"** was originally introduced by Donald Knuth in 1984)

Formerly RStudio. The Interactive Development Enviornment for use of R.

Hours specification Years 1 & 2

Table 1: Notional Hours

Activity	Time	Note
Lectures	40	2hrs/week
Labs	40	2hrs/week
Data Skills (Online)	40	2hrs/week
Guided Reading/viewing	40	2hrs/week
RPS	20	1hr/week
Independent Study/Coursework	120	6hr/week

Programme Overview

Pre-Arrival onwards / Onboarding

Showcase in Induction week - Staff labs and research projects for the year.

Year One students self-test

MSc Students - ditto and ability to shop around for supervision

Year 2 develop their pods? Show Y1 and Foundations what they did last year

Year 3/MSc students - Research Bootcamp and refreshers/skills workshops

Support PhD students and staff

Shock and Awe - Shatter the A-Level preconceptions

Vertically Integrated Projects via 'Labs'

HeartData week (recruitment & forward prep)

Potentially Reading Week Term 2? Or week before/after?

Allows all levels of students to blitz data and to showcase their work for external stakeholders and to make a department-wide event.

Personal development skills

- self-management
- · team working
- problem solving
- application of information skills
- communication
- · application of numeracy skills
- specialist skills

Level 4 - topline summary

Module Content

This module equips students with the practical and conceptual skills necessary for the effective study of psychology. It includes computer skills, presenting results of experiments, structuring an essay, and critiquing a scientific paper. Additionally, it provides an introduction to experimental design, data, and statistics in psychology. Students will learn the theoretical aspects of basic statistical concepts and tests, and gain experience using statistical packages.

Module Learning Outcomes

The student should be able to:

demonstrate a comprehensive understanding of the principles of experimental psychology, from reading and summarizing scientific papers to planning, writing and presenting essays, reports and presentations.

understand the importance and relevance of data analysis, the different types of experiments and tests used.

understand the philosophical underpinnings of qualitative and quantitative approaches to research and evaluate their merits.

demonstrate the skills to analyse and interpret data using qualitative and quantitative frameworks and methods.

demonstrate statistical proficiency in the ability to use R to compute summary statistics, z-scores, chi-square, binomial tests, and parametric and non-parametric comparison of two means.

be able to visualise and present/communicate research findings to a range of audiences select and provide a rationale for using a statistical test to analyse a particular dataset, and present the results correctly in both graphical and APA format.

Assessment

Assessment Element	Length	%	F or S	LO Tested
RPS				

Reading and Resource List

We have a custom made textbook to support key study skills throughout your degree:

Table 2: Y1 Term 1 Laydown

Week	Lecture	Practical
Pre	Preparing to become a Psychologist	
WW	Let's measure some stuff	
1	Answering questions with data	Doing stuff with stuff
2	Finding patterns and relationships	
3	Correlations and models	
4	Distributions and sampling	
5	Probabilities and P-Values	
RW		
6	Open Science,	
	Reporting and Critique	
7	Qualitative Research	
8	Correlational Research	
9	Q u a si-Experimental	
	Research	
10	Experimental Research	
Term 2		
1	Statistical Models	Reproducibility
2	Inferential Statistics	
3	Alpha, Power, Effect	
	and Sample Size	
4	Correlation	
5	Regression	
RW		
6	Multiple Regression	
7	Logistic Regression	
8	Comparing two means	
9	Comparing several	
	means	
10	Data Skills for	

Y1 Term 2 Laydown

Employability

Sem. 1: Week 1	R esearch Design & Data	[Sli des] (h ttp%20s : % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-D % 20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 2	D e s cribing C a t e gorical Data	Slides	Lab	Read ing

Sem. 1: Week 1	R esearch Design & Data	[Sli des] (h ttp%20s : % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-D % 20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 3	Describing Continuous Data	[Sl ides] (htt%20p % 20s%20: / /u0%20% 2 0epsy.g % 20%20i% 2 0th%20u b .io/da% % 2020%20 p r1/%202 2 2%203/l % 20e%20c t u%2%200 r es/dapR % 20%2%20 0 1_l%20e c 3_De%20 % 20sc%20 r ibi%20n % 20gCont % 20D%20a % 20t%20a . html#1)	[Lab] (h t tps://u % 2 0 oepsy.g i t h u%20b.i o / d apr1/%2 0 2 2 23/labs / 1 % 20_03_n um e r ic%20_ d a t a.html)	Read ing

		[Sli des] (h ttp%20s: % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-		
Sem. 1: Week 1	R esearch Design & Data	D % 20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 4	D e s cribing Re l a t i onships	[S lides] (h t t ps://uo e p s y .github . i o / dapr1/2 2 2 3 / lecture s / d a pR1_lec 4 _ D e scribin g R e l ationsh i p s . html#1)	[Lab] (h t t ps://uo e p s y .github . i o / dapr1/2 22 3 / l abs/1_ 0 4 _ r elation s h i p s.html)	Read ing

Sem. 1: Week 1	R esearch Design & Data	[Sli des] (h ttp%20s : % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-D % 20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 5	F u nctions	Slid e s	[L ab] (http%2 0%20%20 s%20%20 s/%20/% 20uoeps y.%%20% 2020%20 %20gith %20u%20 b.%20io /%20%20 d%20a%2 0pr%2%2 0pr%2%2 20%20%1 2223/l% 20%20%2 %20%200 abs%20/ %201_05 %20%20 %20fo%2 0%20rma t%20i%2 0%20rma t%20i%2 0%20ve re%20%2 0p%20o% 20%20r% 20t%20_ a html)	Read ing
		11	a.html)	

Sem. 1: Week 1	R esearch Design & Data	[Sli des] (h ttp%20s : % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-D % 20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 6	F o rmative f eedback week (A)			
Sem. 1: Week 7	Prob ability Theory	Slid e s	La b	Read ing
Sem. 1: Week 8	Prob ability Rules	Slid e s	[L a b] (h ttps:/% 2 0 %20/uoe p s y%20.gi t % 20hub%2 0 . io/dapr % 2 %2001/2 2 2 3/la%20 b s %20/1_0 8 % 20_prob _ % 20r%20u l e s.html)	Read ing

	R esearch	[Sli des] (h ttp%20s : % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-D %		
Sem. 1: Week 1	Design & Data	20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 9	Random V a riables (D i screte)	[S lides] (h t t ps://uo e p s y .github . i o / dapr1/2 2 2 3 / lecture s / d a pR1_lec 8 _ D i screteP r o b a bilityD i s t . html#1)	[Lab] (h t t ps://uo e p s y .github . i o / dapr1/2 22 3 / l abs/1_ 0 9 _ d iscrete _ d i s t.html)	Read ing

Sem. 1: Week 1	R esearch Design & Data	[Sli des] (h ttp%20s : % 20//uoe % 2 0psy.gi % 2 0t%20hu b . io/dap% 2 0 %20r1/2 2 2 3%20/le c % 20tur%2 0 e s/dapR1 % 2 %200_le c 1 _Res%20 e a %20rchD e % 20sign-D % 20a%20t a . html#1)	L ab	Read ing
Sem. 1: Week 10	Random V a riables (C o n t inuous)	S l ides	[L ab] (https:% % 2020%20 / /uo%20e p s%20y.g % 20i%20t h u%2%200 b.io/dap % 20%2%20 0 r1/%202 2 23/l%20 % 20ab%20 s/ 1_%201 % 200_con %2 0t%20_ % 20d%20i s t.html)	Read ing
Sem. 1: Week 11	S ampling	Slide s	La b	Read ing

Sem. 2: Week	C onfidence intervals	Sli des	[Lab] (https://u o epsy.gith u b.io/dapr 1 /2223/lab s /2_01_con f int.html)	Re adi ng
Sem. 2: Week 2	H ypothesis testing: p-values	S lid es	Lab	Re adi ng
Sem. 2: Week 3	H ypothesis testing: critical values	[Slid es] (https://u % 20oepsy.g i thub.%20i o /dapr1/22 2 3%20/lect u res/dap%2 0r 1_2_03_h t _cr%20itv a lues.pdf)	[Lab] (htt%20ps %20://uo% 20epsy.%2 0gi%20thu b.io/%2%2 00dapr1/2 22%203%20 /labs/%20 2_03%20_h t%20_crit va%20%20l ues.html)	Re adi ng
Sem. 2: Week 4	C onnecting H ypothesis testing and c onfidence intervals	[Slide s] (https:/% 20/uoeps% 20y%20.gi thub.io%2 0/d%20apr 1/%202223 /lec%2%20 0tures/da p%20r1_2% 20_04%20_ htci.pdf)	L ab	Re adi ng

Sem. 2: Week 1	C onfidence intervals	Sli des	[Lab] (https://u o epsy.gith u b.io/dapr 1 /2223/lab s /2_01_con f int.html)	Re adi ng
Sem. 2: Week 5	Errors, Power, Effect size, and A s sumptions	SI ide s	[Lab] (htt%20ps %20://uo% 20epsy.%2 0gi%20thu b.io/%2%2 00dapr1/2 22%203%20 /labs/%20 2_05%20_h t%20error sp%20%20o wer.html)	Re adi ng

0	Course Intro	Intro to R & RStu dio
1	Research Design & Data	[Data Typ es] (http%20s%20://uoepsy . gi%20thub.io%20/dapr 1 /21%2022/la%20bs%20/ 1 _01_data_types.html)
2	Describing Categorical Dat a	Categorical Dat a
3	Describing Continuous Data	Numerical D ata
4	Describing Relationsh ips	[Relationships] (h t t ps:/%20/uoepsy.githu b. i o /dapr1/2122/%20labs/ 1_ 0 4 _relationships.html)
5	F unctions	Functi ons
6	- Break Week -	-
7	Intro to Prob abilit y	Probability Basic s
8	Probability Rule s	Probability Rul es
9	Discrete Probability Distributi ons	Discrete Di stributio ns
10	Continuous Probability Distribution s	Continuous Dist ributi ons
11	Samples and Sampling Distributio ns	Sampling Di stributio ns

Semester 2

Week	Lecture	Workbook
1 2	Confidence Interv als Hypothesis Testing: P-Values	Confidence Interval s Hypothesis Testing: P-Value s
3	Hypothesis Testing: Critical V alu es	Hypothesis Testing: Critical Va lues
4	[Hypothesis Testing & Confidence Intervals] (h t tps://uoe%20psy.githu b. i o/dapr1/2122/le%20ctu res / dapr1_2_04_htci.pdf)	Hypothesis Testing & Confidence Interva Is
5	[Errors, Power, Effect Size & Assu mptions] (https:%20//uoepsy.git % 20hub.io/da%20pr1/212 2 /lectures/%20dap%20r1 _ 2_05_errorspower.pdf)	Errors, Power, Effect Size & Ass umpt ions
6 7	 Break Week – [One Sample T-test] (https:%20//uoepsy.git % 20hub.io/da%20pr1/212 2 /lectures/%20dap%20r1 _ lec16_onesamplet.pdf) 	- One Sample T-tes t
8	Independent Samples T -te st	[Independent T-test] (http%20s://uoepsy%2 0 .github.i%20o/dapr1 / 2122/lab%20s/2%20_0 8 _independentt.html)
9	Paired Samples T-te st	[Paired T-test] (h t tps://u%20oepsy.git hu b .io/dapr1/212%202/l ab s /2_09_pairedt.html)
10	Chi-Square Tests	Chi-Square Tes ts
11	Correla tio ns	Covariance & Correl ation

Level 5 - topline summary

Module aims

Experimental designs in psychology typically employ statistical analyses such as analysis of variance, factor analysis and regression. The aim of this module is to make these topics more accessible through the use of practical examples and data collection on a self-directed group research project.

Module Content

The module's overall aim is to offer a supportive and intellectually rigorous environment allowing students to develop highly valuable, transferrable research and collaboration skills in the context of undertaking a group research project.

This module teaches fundamental empirical research techniques within the framework of Open Science and reproducibility, promoting best practice in study design, Open Materials and Data, and methodological practice. This module fully immerses students in the Goldsmiths 'community of practice,' providing structured research support and opportunities to reflect on learning, modelling the key milestones of the final year dissertation.

The module seeks to promote the application of a scientific, intellectually virtuous, research-based approach to any and all future endeavours, and integrates metacognitive and reflective practices to deliver this transformative learning towards academic and personal development.

Over the course of two terms students will follow a programme of lectures introducing a critical approach to psychological research, as well as how such skills can be transferred beyond psychology; across academic disciplines and into the everyday world, with extensive use of case studies and problem-based learning.

Structured weekly labs will enable students to work collaboratively to identify an area of research, critically evaluate current research in the area, and develop a modest research project building on these insights.

Students will work together, alongside lab tutors and researchers in the department, to design and deliver the research project, including obtaining ethical approval, data collection and analysis, then interpreting and writing up the results, and sharing the materials and data in line with Open Science best practices in the Psychological, Behavioural and Data Sciences.

Module Learning Outcomes

- 1. Show a critical understanding of research design and methodology
- 2. Design, conduct, analyse, interpret and disseminate a psychological research project
- 3. Understand the conceptual and historical issues concerned with psychology as a science and area of practical application

- 4. Demonstrate valuable time-management and collaborative project-management skills and proficiencies
- 5. Reflect on their own learning, skill development and metacognition, preparing them for the final year dissertation
- 6. be able to use R to analyse: regression, correlations, reliability and validity, effect sizes, one-way within and between subjects designs (and post-hocs), two-way within, between and mixed designs; and factor analysis
- 7. Be able to present reproducible, APA format literate-programmed research reports.

Assessment

Assessment Element	Length	%	F or S	LO Tested
RPS				

Reading and Resource List

We have a custom made textbook to support key study skills throughout your degree:

Semester 1

Week	Lecture	Workbook
1	[Preli minaries] (h ttps%20://uoepsy.g% 2 0 ithub.io/%20dapr2/2 1 2 2/lectur%20es/%20da p r 2_01_Prelims.html) Functions & M odels	[Functions & Mod els] (https:%%2020//uoeps y .%20github.%20io/da p r2/2%20122%20/l%20a b s/1_01_models.html)
2	[Linear Model Intro] (h ttps%20://uoepsy.g% 2 0 ithub.io/%20dapr2/2 1 2 2/lectur%20es/%20da p r 2_03_LMintro.html) Linear Model Coe ff icients	Simple Linear Regr essi on
3	[Model Evalua tion] (htt%20ps://u%20oeps y .githu%%2020b.io/da p r%202/2122/%20lectu re s/d%20apr%202_%200 5 _LMmodeleval.html) Standardized Coefficient s [Binary Pr edictors] (h ttps%20://uoepsy.g% 2 0 ithub.io/%20dapr2/2 1 2 2/lectur%20es/%20da p r 2_07_LMBinary.html) [Multiple Predic tors] (Model F it Multiple Linear Regr essi on
	htt%20ps://u%20oeps y .githu%%2020b.io/da p r%202/2122/%20lectu re s/d%20apr%202_%200 8 _LM_multiple.html) Categorical Predictors with >2 Leve ls	
5	Interactions (Continuous * Categoric al)	[Interactions I] (https:%%2020//uoeps y .%20github.%20io/da p r2/2%20122%20/l%20a b s/1_05_int_nc.html)
6	- Break Week -	-
7	Interactions (Continuous * Continuo us)	[Interactions II] (https:%%2020//uoeps y .%20github.%20io/da p r2/2%20122%20/l%20a b s/1_07_int_nn.html)

Week	Lecture	Workbook
8	Interactions (Categorical * Categoric al)	[Interactions III] (https:%%2020//uoeps y .%20github.%20io/da p r2/2%20122%20/l%20a b s/1_08_int_cc.html)
9	[Assumpt ions] (htt%20ps://u%20oeps y .githu%%2020b.io/da p r%202/2122/%20lectu re s/d%20apr%202_%201 2 _assumptions.html) Diagnostics I [Diagnostics II] (htt%20ps://u%20oeps y .githu%%2020b.io/da p r%202/2122/%20lectu re s/d%20apr%202_%201 3 _diagnostics2.html)	Assumptions & Diag nostics
10	Bootstrap Theory	Bootstrapping Regressi on
	Bootstrap for Regre ssi on	
11	No Lecture -	Writing U p

Semester 2

Week	Lecture	Workbook
1	Model Co mparison	[Model Comparison] (h t t ps://uo%20epsy.gith ub . i o/dapr2/2122/%20lab s/ 2 _ 01_model_comp.html)
2	Coding Categorical Predic tors	Coding Categorical Predictor s
3	Experimental D esigns	Contrasts, Study Design & Factorial AN OVA
4	Factorial Designs	Two-Way ANOVA
5	Multiple Comparison & Assumpt ions	Assumptions, Multiple Comparisons, Corrections & Writing u p
6	- Break Week -	_
7	Binary Logistic Regression I Binary Logistic Regression I I	[Logistic Regress ion] (https:%%2020//uoeps y.%20github.%20io/da pr2/2%20122%20/l%20a bs/2_07_binary.html)

Week	Lecture	Workbook
8	Intro to the Generalised Linear Model (GLM) Intro to Missing Data	More Logistic Regress ion
9	Exploratory vs Confirmatory Analys is	Exploratory vs Confirmatory A nalysis
10	Power for Linear Model s	Power for Linear Mo dels
11	Reproducibility, Open Science & Preregi strati on	Recap

Table 11: Y2 Term 1 Laydown

Week	Lecture	Practical
Pre	Preparing to become a Psychologist	
WW	Let's measure some stuff	
1	Answering questions with data	Doing stuff with stuff
2	Finding patterns and relationships	
3	Correlations and models	
4	Distributions and sampling	
5	Probabilities and P-Values	
RW		
6	Open Science, Reporting and Critique	
7	Qualitative Research	
8	Correlational Research	
9	Q u a si-Experimental Research	
10	Experimental Research	

Term 2		
1	Statistical Models	
2	Inferential Statistics	
3	Power and Effect Sizes	
4	Correlation	
5	Regression	
RW		
6	Multiple Regression	

Term 2		
7	Logistic Regression	
8	Comparing two means	
9	Comparing several	
	means	
10	Data Skills for	
	Employability	

Y2 Term 2 Laydown

Level 6 - topline summary

Module Content

Module Learning Outcomes

Assessment

Assessment Element	Length	%	F or S	LO Tested

Reading and Resource List

We have a custom made textbook to support key study skills throughout your degree:

Table 14: Y3 Term 1 Laydown

Week	Lecture	Practical
Pre	Preparing to become a	
	Psychologist	
WW	Let's measure some	
	stuff	
1	Answering questions	Doing stuff with stuff
	with data	
2	Finding patterns and	
	relationships	
3	Correlations and	
	models	
4	Distributions and	
	sampling	
5	Probabilities and	
	P-Values	
RW		

Level 7 - topline summary

Week	Lecture	Practical
Pre	Preparing to become a	
	Psychologist	
WW	Let's measure some stuff	
1	Answering questions with	Doing stuff with stuff
	data	
2	Finding patterns and	
	relationships	
3	Correlations and models	
4	Distributions and sampling	
5	Probabilities and P-Values	
RW		

Further considerations

Preparation

Need to begin preparation

Lectures x 40

Open Educational Resources Textbook for Research Methods CCBY4.0

Lab Practicals x 40

Open Educational Resources Textbook for Data Skills (Navarro) CCBY4.0

Recordings and worksheets for above x 40

Y3/MSc Bootcamp

Further considerations

Further considerations

Infrastructure
Recording suite
Materials storage
Estates and Facilities
Removal of computer banks in labs to make them more useful for practicals?
Wall-mounted monitors
Technology
Posit Cloud as Entry Level
Student download for Y2 onwards
Possible Posit Server run by Ian
Costs
Cost for Posit Cloud (Maybe)
Chromebooks on loan
Risks
Technology obstacles (lower than SPSS)
Finite knowledge within staff
Staff resistance
Staffing
Recruit next TFs specifically to help build the infrastructure and programme
Timetabling
HeartData week
Induction planning
Pre-arrival comms

29

Accessibility

QAA Benchmarks

3.4 Research methods are integral to psychology and students obtain a sound knowledge of, and a proven ability to use, a range of both qualitative and quantitative methods appropriately. Knowledge and understanding of how to obtain and analyse evidence is best acquired and demonstrated through extensive and progressive empirical work in laboratory and naturalistic settings through all stages of a degree.

3.5 Psychology students learn the basic principles of sound data collection. Given the broad theoretical scope of psychology, rigorous specialist training is required to engender a critical understanding of the role of experimental design, the choice of research methods employed, and the analytic approach taken, for testing psychological theories.

Subject knowledge and understanding 6.3 On graduating with an honours degree in psychology, graduates are able to:

- 1. understand the scientific underpinnings of psychology as a discipline, its historical origins, development and limitations
- 2. recognise the inherent variability and diversity of psychological functioning and its significance
- 3. demonstrate systematic knowledge and critical understanding of a range of influences on psychological functioning, how they are conceptualised across the core areas as outlined in paragraphs 4.4 and 4.5 and how they interrelate
- 4. demonstrate detailed knowledge of several specialised areas and/or applications, some of which are at the cutting edge of research in the discipline
- 5. demonstrate a systematic knowledge of a range of research paradigms, research methods and measurement techniques, including statistics and probability, and be aware of their limitations.

Subject-specific skills 6.4 On graduating with an honours degree in psychology, graduates are able to:

- 1. reason scientifically, understand the role of evidence and make critical judgements about arguments in psychology
- 2. adopt multiple perspectives and systematically analyse the relationships between them
- 3. detect meaningful patterns in behaviour and evaluate their significance
- 4. recognise the subjective and variable nature of individual experience
- 5. pose, operationalise and critique research questions
- 6. demonstrate substantial competence in research skills through practical activities

QAA Benchmarks

- 7. reason analytically and demonstrate competence in a range of quantitative and qualitative methods
- 8. competently initiate, design, conduct and report on an empirically-based research project under appropriate supervision, and recognise its theoretical, practical and methodological implications and limitations
- 9. be aware of ethical principles and approval procedures and demonstrate these in relation to personal study, particularly with regard to the research project, and be aware of the ethical context of psychology as a discipline.

Generic skills 6.5 On graduating with an honours degree in psychology, graduates are able to:

- 1. communicate ideas and research findings by written, oral and visual means
- 2. interpret and use numerical, textual and other forms of data
- 3. be computer literate, for the purposes of furthering their own learning and in the analysis and presentation of ideas and research findings
- 4. solve problems by clarifying questions, considering alternative solutions and evaluating outcomes
- 5. be sensitive to, and take account of, contextual and interpersonal factors in groups and teams
- 6. undertake self-directed study and project management, in order to meet desired objectives
- 7. take charge of their own learning, and reflect and evaluate personal strengths and weaknesses for the purposes of future learning.

References