

## Programme Regulations: 2023/24

**Degree of Bachelor of Science with Joint Honours in Psychology and Mathematics- UCAS Code C8G1**

**Degree of Bachelor of Science with Joint Honours in Psychology and Mathematics with Placement Year - Code: 1137U**

**Degree of Bachelor of Science with Joint Honours in Psychology and Mathematics with Professional Placement – Code: 1427U**

**Degree of Bachelor of Science with Joint Honours in Psychology and Mathematics with International Study Year – Code: 1664U**

### Notes

- (i) *These programme regulations should be read in conjunction with the University's Taught Programme Regulations.*
- (ii) *All optional modules are offered subject to the constraints of the timetable and to any restrictions on the number of students who may be taught on a particular module. Not all modules may be offered in all years, and they are listed subject to availability.*
- (iii) *Unless otherwise stated under 'Type', modules are not core.*
- (iv) *A compulsory module is a module which a student is required to study.*
- (v) *A core module is a module which a student must pass, and in which a fail mark may not be compensated; such modules are designated by the board of studies as essential for progression to a further stage of the programme or for study in a further module.*
- (vi) *All modules are delivered in Linear mode unless stated otherwise as Block, eLearning or distance learning.*

### 1. Stage 1

- (a) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
PSY1004	Cognitive Psychology	10	10		4	Core
PSY1005	Sensation and Perception	10	10		4	Core
PSY1012	Introduction to Psychology for Joint Honours	10	10		4	Core
MAS1605	Introduction to Calculus	20	20		4	Core
MAS1610	Introductory Algebra (for Psychology students)	10	10		4	Core
PSY1014	Research Methods and Data Analysis B	20		20	4	Core
PSY1015	Principles of Evolution, Genetics and Behavioural Development	10		10	4	Core
MAS1608	Introduction to Probability & R	20		20	4	Core
MAS1611	Multivariate Calculus and Differential Equations	10		10	4	Core

- (b) PSY1014 - students are required to attain a pass mark in both assessment components to pass the module.
- (c) In order to be eligible to undertake a Psychology Professional Placement (PSY3000) a candidates must achieve a Stage 1 average mark of at least 65%.

## 2. Stage 2

### Students completing Stage 2 in 2023/24:

- (a) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
PSY2001	Developmental Psychology	10	10		6	Core
PSY2003	Social Psychology	10	10		6	Core
PSY2010	Statistics for Empirical Psychology	10	10		6	Core
PSY2022	Methods in Psychology 2A	10	10		6	Core
MAS2801	Vector Calculus	10	10		5	
MAS2802	Differential Equations, Transforms and Waves	10		10	5	
MAS2901	Introduction to Statistical Inference	10	10		5	
MAS2902	Introduction to Regression and Stochastic Modelling	10		10	5	
PSY2004	Individual Differences	10		10	6	Core
PSY2007	Biological Psychology: Sex, Drugs, Rhythms and Blues	10		10	6	Core

- (b) Candidates studying the *Applied Mathematics pathway* shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS2806	Scientific Computation with Python	10	10		5	
MAS2803	Fluid Dynamics	10		10	5	

- (c) Candidates studying the *Statistics pathway* shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS2906	Computational Probability and Statistics with R	10	10		5	
MAS2903	Introduction to Bayesian Methods	10		10	5	

### Students completing Stage 2 from 2024/25 onwards:

- (a) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
PSY2001	Developmental Psychology	10	10		6	Core
PSY2003	Social Psychology	10	10		6	Core
MAS2801	Vector Calculus	10	10		5	
MAS2802	Differential Equations, Transforms and Waves	10		10	5	
MAS2901	Introduction to Statistical Inference	10	10		5	
MAS2902	Introduction to Regression and Stochastic Modelling	10		10	5	
PSY2004	Individual Differences	10		10	6	Core
PSY2007	Biological Psychology: Sex, Drugs, Rhythms and Blues	10		10	6	Core

Candidates must take 20 credits of Research Methods in Psychology:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
PSY2023	Research Methods in Psychology 2a	10	10		6	Core	
PSY2024	Research Methods in Psychology 2b	10	10		6	Core	
PSY2025	Research Methods in Psychology 2c	10		10	6	Core	
PSY2026	Research Methods in Psychology 2d	10		10	6	Core	

The combination must include one qualitative and one quantitative module and therefore can be:

PSY2023 and PSY2024 in Semester 1 or

PSY2025 and PSY2026 in Semester 2 or

PSY2023 Semester 1 and PSY2025 in Semester 2 or

PSY2024 in Semester 1 and PSY2026 in Semester 2.

(b) Candidates studying the *Applied Mathematics pathway* shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS2806	Scientific Computation with Python	10	10		5	
MAS2803	Fluid Dynamics	10		10	5	

(c) Candidates studying the *Statistics pathway* shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS2906	Computational Probability and Statistics with R	10	10		5	
MAS2903	Introduction to Bayesian Methods	10		10	5	

### 3. Year 3 (Placement Year)

- (a) On completion of Stage 2 and before entering Stage 3, candidates may have the opportunity to spend a year in a Professional Placement or Careers Placement with an approved organisation. Permission to undertake either placement is subject to approval by the Degree Programme Director. Candidates who are required to re-sit their Stage 2 assessment must delay the start of their placement until they have done so. Candidates who fail Stage 2 may not complete a placement year.
- (b) On successful completion of the placement year, candidates will return to complete the relevant Stage 3 modules as the final year of their degree. Candidates who fail the placement will transfer to Stage 3 of the BSc with Joint Honours in Mathematics and Psychology.

### Professional Placement – 1427U

- (c) All Professional Placement candidates shall take the following compulsory module:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>	<i>Type</i>	<i>Mode</i>
PSY3000	Psychology Professional Placement Year	120	60	60	6		

- (d) In order to pass PSY3000 candidates must achieve a pass in each of the three components of assessment: a Poster, a Reflective Log, and Supervisor Reports. If the Poster or Reflective Log is failed, it will have to be retaken and a pass mark obtained. However, no resit can be offered for the Supervisor Reports. Thus, if the Supervisor Reports are failed, this will constitute a fail for the entire module.

### Careers Placement – 1137U

- (e) All Careers Placement candidates shall take the following compulsory module:

<i>Code</i>	<i>Descriptive title</i>	<i>Total Credits</i>	<i>Credits Sem 1</i>	<i>Credits Sem 2</i>	<i>Level</i>	<i>Type</i>	<i>Mode</i>
NCL3000	Careers Service Placement Year Module	120	60	60	6		

### International Study Abroad Year – Code: 1664U

- (f) On completion of Stage 2 and before entering Stage 3, candidates may spend the equivalent of one academic year abroad at an appropriate exchange partner institution. Permission to undertake a year abroad is subject to the approval of the Degree Programme Director. Students who are required to re-sit their Stage 2 assessment must delay the start of their year abroad until they have done so. Students who fail Stage 2 may not complete a year abroad.
- (g) All International Study Abroad candidates shall take the following compulsory module:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type	Mode
ISY3000	International Study Year Module	120	60	60	6		

- (h) If a pass mark is obtained, in addition to a student meeting the criteria for the BSc in Psychology, then the degree of BSc Psychology with Study Abroad will be awarded. Failure to pass the Study Abroad year will result in the candidate being transferred to the BSc (Hons) Psychology award.

#### 4. Stage 3

- (a) All candidates shall take the following compulsory modules:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
PSY3029	Psychological Enquiry 3 – Psychological Literacy and Professional Skills	10	5	5	6	
PSY3097	Empirical Project	30	15	15	6	

- (b) Candidates studying the *Applied Mathematics Pathway* shall take the following compulsory modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS3801	Methods for Differential Equations	10	10		6	
MAS3806	Partial Differential Equations	10		10	6	

- (c) Candidates studying the *Statistics Pathway* shall take the following compulsory modules:

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS3903	Linear Models	10	10		6	
MAS3906	Generalised Linear Models	10		10	6	

- (d) Candidates shall take 20 credits of optional Psychology modules from the following list:

Code	Descriptive title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
PSY3006	Consumer Psychology	20	20		6	
PSY3008	Art, Mind and Brain	10	10		6	

PSY3031	The Psychology of Teaching and Learning	20	20		6	
PSY3039	Clinical Sports and Exercise Psychology	20	20		6	
PSY3040	Psychobiology of Drug Addiction	10	10		6	
PSY3044	Cultural and Technical Intelligence: Developmental and Comparative Perspectives	10	10		6	
PSY3048	Advanced Statistics for Empirical Psychology	10	10		6	
PSY3049	Evolution of Brain and Behaviour	20	20		6	
PSY3009	To Cheat or not to Cheat: The Evolution of Cooperative Behaviour	10		10	6	
PSY3018	The Damaged Brain: Case Studies in Neuropsychology	10		10	6	
PSY3026	Psychology of Religion	20		20	6	
PSY3033	Eating and Weight Disorders	20		20	6	
PSY3042	Sex Differences and the Brain	10		10	6	
PSY3046	Psychology for Sport Performance	20		20	6	
PSY3047*	The Social Psychology of Prejudice and Discrimination	20		20	6	
PSY3050	Making Sense of Forgotten Senses: Investigating Olfaction & Gustation	20		20	6	
PSY3054	Neurodiversity of Development	20		20	6	

\*PSY3047 is not running in 2023/24

(e) Candidates studying the *Applied Mathematics pathway* shall take 40 credits of optional modules from Section A:

### Section A (Applied Mathematics Pathway)

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS3803	Advanced Fluid Dynamics	10	10		6	
MAS3804	Relativity	10	10		6	
MAS3808	Instabilities	10	10		6	
MAS3802	Quantum Mechanics	10		10	6	
MAS3809	Variational Methods and Lagrangian Dynamics	10		10	6	
MAS3815	Mathematical Biology	10		10	6	

(f) Candidates studying the *Statistics Pathway* shall take 40 credits of optional modules from Section B:

## Section B (Statistics Pathway)

Code	Descriptive Title	Total Credits	Credits Sem 1	Credits Sem 2	Level	Type
MAS3904	Stochastic Financial Modelling	10	10		6	
MAS3905	Statistical Inference	10	10		6	
MAS3917	Stochastic Processes	10	10		6	
MAS3902	Bayesian Inference	10		10	6	
MAS3907	Big Data Analytics	10		10	6	
MAS3918	Topics in Statistical Modelling A	20		20	6	

Optional modules must be approved by the Degree Programme Director and credit for each semester must not exceed the University requirements, ie: no less than 50 and no more than 70 credits per semester. 60 credits of Psychology modules are required for eligibility to BPS accreditation.

Notes:

Optional modules will not necessarily be available in all combinations.

### 5. Assessment methods

Details of the assessment pattern for each module are explained in the module outline.

### 6. Degree classification

- (a) Candidates will be assessed for degree classification on the basis of all the modules taken at Stages 2 and 3 with the weighting of the stages being 1:2 for Stage 2 and Stage 3 respectively.
- (b) The Professional and Careers Placement years do not formally contribute to the degree classification. However, candidates studying on these awards must pass their placement year to graduate with the degree title BSc with Joint Hons in Psychology and Mathematics with Professional Placement or BSc with Joint Hons in Psychology and Mathematics with Placement Year.

### 7. Exemptions to the University's Taught Programme Regulations

The BSc with Joint Honours in Psychology and Mathematics with Professional Placement has a University exemption from the University's Taught Programme Regulations in relation to the offer of a resit opportunity for the Supervisor Report, which forms part of the assessment regime of PSY3000 – see Section 3(d). In the event of any inconsistency between the programme and University regulations in relation to the above section, the programme regulations take precedence over the University regulations.