Programme Specification[1]

1. Programme Title(s) and Code(s):

Programme Title	*UCAS Code*	*GU Code*
BSc Honours in Neuroscience	B140	B140-2105

2. Academic Session:

2018-19

3. SCQF Level (see Scottish Credit and Qualifications Framework Levels):

10

4. Credits:

480

5. Entrance Requirements:

Please refer to the current undergraduate prospectus at: http://www.gla.ac.uk/undergraduate/

6. ATAS Certificate Requirement (see Academic Technology Approval Scheme):

ATAS Certificate not required

7. Attendance Type:

Full Time

8. Programme Aims:

Neuroscience is the study of the nervous system, and modern Neuroscience is an exciting, rapidly-advancing area of contemporary science that has evolved from the separate disciplines of anatomy, physiology, pharmacology, cell biology and molecular biology. The Designated Degree Programme provides a broadly based treatment of the principles and problems of Neuroscience.

[1] This specification provides a concise summary of the main features of the programme and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if full advantage is taken of the learning opportunities that are provided. More detailed information on the learning outcomes, content and teaching, learning and assessment methods of each course can be found in course handbooks and other programme documentation and online at www.gla.ac.uk/

The accuracy of the information in this document is reviewed periodically by the University and may be checked by the Quality Assurance Agency for Higher Education.

Particular strengths of the Programme are: a) wide experience of laboratory work; and b) detailed treatments prepared by active Neuroscience scholars and researchers of 1) the cardio-respiratory system 2) the central nervous system 3) the immune system and 4) the endocrine system.

The Principal Aims are:

- To equip students with a basic understanding of Neuroscience, and a competence in relevant scientific methods
- To stimulate and foster a sense of excitement in Neuroscience as an approach to understanding living organisms
- To provide basic knowledge, understanding, scholarship and critical judgement appropriate for employment or further study in Neuroscience or a related discipline
- To develop those basic transferable , intellectual, interpersonal and practical skills which may be of advantage in a wide range of employment and further study
- To develop in students the flexibility to adapt to change throughout their working lives

9. Intended Learning Outcomes of Programme:

The programme provides opportunities for students to develop and demonstrate knowledge and understanding, skills, qualities and other attributes in the following areas:

Knowledge and Understanding

By the end of this programme students will be able to:

- demonstrate basic knowledge and understanding of the central facts and concepts of Neuroscience
- demonstrate an understanding of professional ethics in science and of the principles that can guide ethical decision-making in biological controversies
- demonstrate an understanding of the relevance of Neuroscience knowledge to problems in areas such as human health and disease
- demonstrate basic knowledge and understanding of the main investigative methods used in Neuroscience in the laboratory

Skills and Other Attributes

By the end of this programme students will be able to:

Subject-specific/practical skills

- demonstrate their ability to learn basic topics in Neuroscience independently
- demonstrate practical skills in fundamental Neuroscience techniques

Intellectual skills

- solve basic problems of a numerical or logical nature in Neuroscience
- critically analyse research papers in Neuroscience
- selectively extract information from published sources and use this to present critical reviews of the current state of knowledge in Neuroscience topics

Transferable/key skills

- use computers to search databases, compose reports for written and oral presentation and analyse data
- give a clear, well-constructed oral presentation on a Neuroscience topic
- work co-operatively in a team to carry out and present the results of basic Neuroscience research
- demonstrate their ability to manage their time appropriately in order to prioritise tasks and meet deadlines

10. Typical Learning and Teaching Approaches:

A range of teaching methods are used during the programme, including:

- Lectures
- Laboratories

- Workshops
- Group projects
- Poster presentations
- Tutorials
- Seminars

11. Typical Assessment Methods:

A number of different methods are used to assess the courses which make up the programme, including:

- Class examinations
- Laboratory reports
- Essays
- Poster presentations
- Oral presentations
- Peer review of group work

12. Programme Structure and Features:

The BSc Honours programme normally lasts 4 years, comprises both compulsory and optional courses, and comprises 480 credits (120 credits each year).

Structure

Course Title	Course Code	Credits	Core	Optional	Semester(s) taught
Year 1:					
Biology-1A	BIOL1001	20	✓		Sem 1
Biology-1B	BIOL1002	20	✓		Sem 2
EITHER Chemistry-1	CHEM1001	40	✓		Sem 1–2
OR Science Fundamentals-1X & -1Y	CHEM1002 CHEM1003	2 x 20			Sem 1–2
other Level-1 course(s)		40		✓	
Year 2:					
Fundamental Topics in Biology 2	BIOL2039	30	✓		Sem 1
Human Biological Sciences 2	BIOL2043	30	✓		Sem 2
Key Skills in Biology 2	BIOL2040	30		✓	Sem 1
other Level-1 or -2 course(s)		30		✓	
Year 3 (Honours):					
Neuroscience 3A	BIOL4234	60	✓		Sem 1
Neuroscience 3B	BIOL4235	60	✓		Sem 2
Year 4 (Honours final year):					
Neuroscience Advanced Studies	BIOL4086	20	✓		Sem 1–2
One of these project courses: Life Sciences Investigative Honours Project Life Sciences Dissertation Honours Project Life Sciences Outreach Honours Project Life Sciences Internship Honours Project	 BIOL4246P BIOL4247P BIOL4248P BIOL4249P	20	✓		Sem 1–2
4 x Life Sciences Honours options		4 x 20		✓	

Life Sciences Honours Options:

The programme will prescribe a mixture of compulsory, recommended and/or suitable Honours options courses. In addition, the list of available Honours option courses is liable to change each session. The options available in the current session can be found via the University's Course Catalogue (www.gla.ac.uk/coursecatalogue/).

Features:

Students may apply to study abroad during either Year 2 or Year 3; this is subject to approval by the School of Life Sciences.

Years 1 and 2 may be available for part-time study. Years 3 and 4 are normally only available on a full-time basis.

Regulations:

This programme will be governed by the relevant regulations published in the University Calendar. These regulations include the requirements in relation to:

(a) Award of the degree

(b) Progress

(c) Early exit awards

(d) (For undergraduate programmes, where appropriate) Entry to Honours

www.gla.ac.uk/services/senateoffice/policies/calendar/

13. Programme Accredited By:

Not applicable

14. Location(s):

Glasgow

15. College:

College of Medical Veterinary and Life Sciences

16. Lead School/Institute:

Life Sciences [REG20100000]

17. Is this programme collaborative with another institution:

No

18. Awarding Institution(s):

University of Glasgow

19. Teaching Institution(s):

University of Glasgow

20. Language of Instruction:

English

21. Language of Assessment:

English

22. Relevant QAA Subject Benchmark Statements (see Quality Assurance Agency for Higher Education) and Other External or Internal Reference Points:

See QAA Benchmark Statement for Biosciences: http://www.qaa.ac.uk/academicinfrastructure/benchmark/honours/biosciences.asp

23. Additional Relevant Information (if applicable):

Support for students is provided by the Postgraduate/Undergraduate Adviser(s) of Studies supported by University resources such LEADS (www.gla.ac.uk/myglasgow/leads/), Counselling & Psychological Services (www.gla.ac.uk/services/counselling/), the Disability Service (www.gla.ac.uk/services/studentdisability/) and the Careers Service (www.gla.ac.uk/services/careers/).

24. Online Learning:

No

25. Date of approval:	24/11/2017