Sub-Honours Neuroscience Handbook

Gayle Doherty | September 1, 2016
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Welcome

Welcome to your Neuroscience degree at the University of St Andrews. We look forward to working with you over the next few years as you progress from sub-honours student to graduate. This handbook gathers together much of the important information that you need during your sub-honours years, so please keep a copy in a safe place!

Our Neuroscience degree is a joint programme taught between Biology and Psychology & Neuroscience, with core modules in each School. Over the next few years you will study the nervous system in depth from molecules to behavior. You will learn about a range of species from *Drosophila* to human and have the opportunity to apply your skills to an extended final year research project.

Key Contacts

**MODULE CONTROLLERS**

<table>
<thead>
<tr>
<th>Module</th>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS1001 and PS1002</td>
<td>Mrs Paula Miles</td>
<td><a href="mailto:pjm11@st-andrews.ac.uk">pjm11@st-andrews.ac.uk</a></td>
<td>462089</td>
</tr>
<tr>
<td>BL1101</td>
<td>Dr V Anne Smith</td>
<td><a href="mailto:vasi@st-andrews.ac.uk">vasi@st-andrews.ac.uk</a></td>
<td>463368</td>
</tr>
<tr>
<td>BL1102</td>
<td>Prof Pat Willmer</td>
<td><a href="mailto:pgw@st-andrews.ac.uk">pgw@st-andrews.ac.uk</a></td>
<td>463507</td>
</tr>
<tr>
<td>PS2001 and PS2002</td>
<td>Mr Paul Gardner</td>
<td><a href="mailto:plg@st-andrews.ac.uk">plg@st-andrews.ac.uk</a></td>
<td>462075</td>
</tr>
<tr>
<td>BL2301</td>
<td>Dr Judith Sleeman</td>
<td><a href="mailto:jes14@st-andrews.ac.uk">jes14@st-andrews.ac.uk</a></td>
<td>463524</td>
</tr>
<tr>
<td>BL2305</td>
<td>Dr Gerald Prescott</td>
<td><a href="mailto:grp2@st-andrews.ac.uk">grp2@st-andrews.ac.uk</a></td>
<td>463562</td>
</tr>
</tbody>
</table>

**ADVISERS OF STUDIES**

<table>
<thead>
<tr>
<th>Type</th>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-honours</td>
<td>Dr Gayle Doherty</td>
<td><a href="mailto:ghm@st-andrews.ac.uk">ghm@st-andrews.ac.uk</a></td>
<td>463611</td>
</tr>
<tr>
<td>Honours</td>
<td>Dr Wenchang Li</td>
<td><a href="mailto:wl21@st-andrews.ac.uk">wl21@st-andrews.ac.uk</a></td>
<td>463579</td>
</tr>
</tbody>
</table>
Skills
When you graduate from your Neuroscience degrees you will have had the opportunity to learn and practice a range of skills which can help you with whatever career you choose to follow when you graduate:
1. Demonstrate original thought
2. Construct a coherent argument or debate by demonstrating logical processing of (complex) information and deductive reasoning
3. Apply critical analysis, evaluation and synthesis to solve complex problems
4. Test hypotheses, theories, methods and evidence within their proper contexts
5. Reason from the particular to the general
6. Identify relevant techniques and concepts to solve advanced and complex problems
7. Demonstrate use of an appropriate range of resources to the task at hand
8. Evaluate relevant best practices for the task at hand
9. Engage directly with current research, developments and skills in the discipline
10. Engage with primary and secondary material and differentiate between them
11. Demonstrate active learning
12. Demonstrate reflective learning, including the ability to engage with and learn from feedback
13. Demonstrate creativity and curiosity
14. Demonstrate independence of thought and reasoning
15. Demonstrate skills in time management, self-discipline and self-motivation
16. Demonstrate skills in close textual and comparative analysis
17. Demonstrate skills in close analysis of visual material
18. Demonstrate advanced IT skills
19. Demonstrate quantitative and qualitative methods of analysis
20. Demonstrate expertise in the use of statistical software packages for recording, manipulation & analysis of data
21. Convey statistical results & methods in a manner understandable to the lay-person via written or oral reports
22. Work independently
23. Work as part of a team
24. Communicate with clarity and accuracy, orally (including presentation) and in writing
25. Engage with the views and opinions of others
26. Present work and findings in a professional manner, with attention to detail
27. Learn and use research skills
Choosing your modules

There are a number of modules that you must take to study for a Neuroscience degree. The sub-honours options available to you are summarised below with compulsory modules in bold:

FIRST YEAR

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS1001: Psychology</td>
<td>PS1002: Psychology</td>
</tr>
<tr>
<td>BL1101: Biology</td>
<td>BL1102: Biology</td>
</tr>
<tr>
<td>Any other module from Arts, Science or Divinity subject to availability and pre-requisites</td>
<td>Any other module from Arts, Science or Divinity subject to availability and pre-requisites</td>
</tr>
</tbody>
</table>

SECOND YEAR

<table>
<thead>
<tr>
<th>Semester One</th>
<th>Semester Two</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS2001: Psychology</td>
<td>PS2002: Psychology</td>
</tr>
<tr>
<td>BL2301: Cell Biology</td>
<td>BL2305: Cell Systems</td>
</tr>
<tr>
<td>BL2302: Molecular Biology or BL2303: Evolutionary Biology</td>
<td>BL2306: Biochemistry or BL2310: Comparative Physiology</td>
</tr>
</tbody>
</table>

Your adviser of studies will help you decide on the modules that are best suited to your future plans.

- Students with enquiries about sub-honours choices must contact Dr Doherty.
- Students with enquiries about honours choices must contact Dr Li.

CHANGING MODULES

At the start of each semester there is a period of re-advising when you can change your module choices. Re-advising closes at 1pm on the Monday of week 2 of each semester. Beyond that there is a brief grace period when you can change modules with the permission of the pro-deans but your opportunity to switch modules is time limited so choose carefully:
CHANGING DEGREE

We very much hope that you will stay with us as a Neuroscience student but if you do wish to change your degree title then this can be done during pre-advising at the end of 1st year and during any of the advising period in 2nd year. Entrant students may not alter their degree intention during the 1st year and must continue to study the required modules for that degree throughout the 1st year. If you are changing degree make sure that you have studied all of the required modules for the new degree stream.

Timetabling

You should do your best to avoid timetable clashes and any potential issues should be flagged up by your adviser. It is your responsibility to organise your personal timetable and to ensure that you sign up for lab slots and tutorials that avoid timetable clashes. Module class times and locations are all available to you on-line and you should ensure that you know precisely where you should be for each class, and when. [http://www.st-andrews.ac.uk/students/academic/advice/timetablinginformation/](http://www.st-andrews.ac.uk/students/academic/advice/timetablinginformation/)

There are various maps available on line to help you get around including recycling points and cycling and walking routes:

[http://www.st-andrews.ac.uk/maps/](http://www.st-andrews.ac.uk/maps/)

Study support

The University has a range of support services available to students to help you make the most of your time studying Neuroscience. If you have areas in which you feel you would benefit from support then take a look at the CAPOD website [http://www.st-andrews.ac.uk/capod/students/](http://www.st-andrews.ac.uk/capod/students/). CAPOD offer both one-to-one appointments and drop-in session of a wide variety of topics from note-taking in lectures, help with studying for exams and support for students who need help with maths and statistics. There are occasionally skill support workshops specific to your topic of study. Remember to check out the workshops for both Biology and Psychology as there may be something useful to you from either School:
There are also a number of useful links on the School website to help you you’re your studies from statistics to essay writing:

http://www.st-andrews.ac.uk/psychology/current/info/

Please take advantage of all that the University of St Andrews has to offer to support your sub-honours studies. You will need to attain the required standard for Honours entry by the end of second year and we will do our best to support you in making a smooth progression.

**Progression to Honours**

If you have taken all of the required modules and have fulfilled all of the Science Faculty Regulations then, subject to academic performance, you will be offered a place in the Neuroscience Honours programme at the end of your second year. Neuroscience students need to fulfil the requirements for Honours entry to BOTH the School of Psychology & Neuroscience and the School of Biology.

For Psychology you need an **average of 11 in PS2001 and PS2002 at first sitting** (see p.15 for grade descriptors). There is no opportunity to resit for a better grade and therefore no qualified honours entry for Psychology progression.

For Biology you need **an average of 11 across the 4 Biology modules**. There is an opportunity to resit to obtain these grades **BUT a pass at 13.5 or better is required at the second sitting.**

The Schools have no discretion over the Honours entry policy and this is administered centrally by the Deans’ office. Full details of the honours entry policies are available on the website.

Entry to honours: [http://www.st-andrews.ac.uk/media/teaching-and-learning/policies/honsentry.pdf](http://www.st-andrews.ac.uk/media/teaching-and-learning/policies/honsentry.pdf)


Science Faculty Regulations: [http://www.st-andrews.ac.uk/media/teaching-and-learning/policies/UG%20Regs%202016-17.pdf](http://www.st-andrews.ac.uk/media/teaching-and-learning/policies/UG%20Regs%202016-17.pdf)

**Assessment**

**TYPES OF ASSESSMENT**

For most of your modules your final grade will be determined by both coursework elements and an exam. Your module organiser will give full details of coursework assessments and deadlines in the module. Exams are run centrally by the examinations office and there are a number of rules surrounding exams of which you should be aware. [http://www.st-andrews.ac.uk/students/academic/examinations/frequentlyaskedquestions-exams/](http://www.st-andrews.ac.uk/students/academic/examinations/frequentlyaskedquestions-exams/).

All of the exam timetables are published on-line in the run up to each exam period [http://www.st-andrews.ac.uk/students/academic/examinations/examtimetablescurrent/](http://www.st-andrews.ac.uk/students/academic/examinations/examtimetablescurrent/).

**HOW AM I ASSESSED?**

You may find that the methods of assessment that we use here are different to what you are used to. Make sure that you fully understand what is expected of you from your module organisers and don’t be afraid to ask for clarification if you need it.

You will almost certainly find that the way you are graded is very different. In St Andrews we mark to a 20 point non-linear scale. For each piece of course work or exam question you will be given a mark and these marks will be combined to give you your final grade for a module. The university outline scale can be seen at: [http://www.st-andrews.ac.uk/staff/teaching/examinations/scale/](http://www.st-andrews.ac.uk/staff/teaching/examinations/scale/)

There is also a Neuroscience scale, which we use for our honours students available on the page 15. This gives more details of what we expect within each grade banding.

Throughout your time at university you should feel secure that there are a number of procedures in place to monitor how staff assess your work. These include second marking (where 2 markers mark your work and then reach an agreement on a grade), and moderation (where a selection of scripts are checked to ensure that the marking fits with the reporting scale). All of our procedures are annually
reviewed by external examiners who are experts in the field from outwith St Andrews. The External Examining system is a crucial element of the University’s quality assurance and enhancement structure, providing a means to ensure the quality and standards of awards, the standards of student performance and the validity of assessment processes.

WHAT IF I AM NOT HAPPY WITH MY MARK?

Sometimes it can be helpful to ask the person who graded your work for further feedback and a more in-depth explanation of where you can improve. In general, all of the information that you need to progress towards your next assignment will be in your written feedback. However, we do appreciate that there are times when you want to discuss what was written. In this case you should email the member of staff concerned and make an appointment to see them. Please remember that your marks are not the starting point in a negotiation and that we will stand by the mark given in all but the most exceptional circumstances.

Your coursework and exams are always carefully moderated and therefore you should feel confident in the marks and grades awarded. If you do have a concern about a mark or grade there is an academic appeals process available to students. An academic appeal is a request for a formal review of an academic decision submitted on limited grounds. A request for a review of an academic decision will ONLY be considered where at least one of the following three grounds are alleged to apply:

- extenuating personal circumstances materially affecting academic performance of which the University was not aware when the academic decision was taken and which could not reasonably have been disclosed by the student (an explanation for earlier non-disclosure is always required)
- improper conduct of an assessment or examination, or irregular application of academic regulations, that has materially impacted on the result awarded
- in the case of an appeal against an academic misconduct judgement only, defective or irregular procedure that has materially affected the academic decision of the relevant Board of Adjudication.

In clarification, the University will NOT pursue an appeal that does nothing more than question the academic judgement exercised. For example, a student cannot appeal using these procedures simply because they are unhappy or disagree with a mark given to assessed work.

http://www.st-andrews.ac.uk/media/court-office/senatedocs/Appeals_Policy.pdf
The best thing you can do if you get a bad mark is to get as much feedback as you can to help you improve your future work.

HOW WILL I KNOW IF I AM DOING OK?

When the module grades are released at the end of each semester, your adviser will look through your files and send you an email regarding your progress. For the vast majority of students this will be a congratulatory email. If things have not gone well – don’t panic! It takes time to adjust to a new system of learning. Try to make some time to meet with your adviser and talk through what support is available to help you get back on track.

In addition to the support from your adviser of studies, the Deans send out warnings to help you avoid termination of studies or failure to gain honours entry – this process is meant to help you get back on track. There are 4 categories highlighted by the Deans. The final one is a last resort when all of the other options have been exhausted.

- Underperformance – no grade in any module above 11. The Deans will ask you to meet with your adviser and make plans for improvement.
- Warning Letter – failed too many modules at first sitting. The Deans will ask you to meet with your adviser and write a letter of explanation of poor performance and make plans for improvement.
- Probation – failure to meet senate regulation 44 (40 credits for full year of study). The Deans will insist that you must then pass 60 credits at first attempt at the next semester to be permitted to continue.
- Termination of studies.

http://www.st-andrews.ac.uk/students/advice/academic/termination/

To clarify, this pathway is aimed at helping you get your studies back on track rather than pushing for termination. The University of St Andrews fosters an ethos of getting the best out of our students and we take great pride in seeing our students reach their full potential.

WHAT HAPPENS IF I FAIL A MODULE?

If you fail a module at first sitting you have the right to reassessment in the August exam diet, provided you scored at least 4.0 in that module. In first year you cannot retake an exam simply to try to get a better grade. In second year if you do not qualify for automatic honours entry for Biology you may take the resit exam to
improve the grade (see Progression to Honours). If you are facing reassessment it is important to consider what might have gone wrong and it might be worth contacting the module organiser and asking to see your exam papers. You will be required to register for reassessment and pay a fee if necessary. If you are eligible for reassessment you will be invited to register in the early part of the summer vacation. [http://www.st-andrews.ac.uk/students/academic/examinations/frequentlyaskedquestions-exams/#Resits](http://www.st-andrews.ac.uk/students/academic/examinations/frequentlyaskedquestions-exams/#Resits)

**What do I do if I am ill?**

If you are unwell and will miss class it is important that you let the University know as soon as possible. To do this you should fill out a self-certificate of absence form. [http://www.st-andrews.ac.uk/students/advice/academic/absencereporting/](http://www.st-andrews.ac.uk/students/advice/academic/absencereporting/). You may be required to submit supporting evidence for your absence. Your School will let you know if this is the case. You are responsible for obtaining any evidence required and any associated costs where applicable. It is recommended that you contact Student Services in the first instance if the School requires evidence.

University Regulations state that if a student is absent for 2 consecutive weeks they are at risk of being awarded no credits for the module. If you are in this situation, or believe that you may be, then you should consider taking a leave of absence. You may wish to contact your adviser or Student Services to discuss this further. More details of the student absence policy are available on-line [http://www.st-andrews.ac.uk/media/teaching-and-learning/policies/Student%20Absence.pdf](http://www.st-andrews.ac.uk/media/teaching-and-learning/policies/Student%20Absence.pdf)

**ILLNESS AFFECTING DEADLINES**

If you are ill and unable to meet the deadline for coursework submission you must request as extension. Extensions are only granted for exceptional and unforeseen circumstances and you should consider this before you apply. For sub-honours Psychology modules you must use the Notification of Student Problems form on the website.

[https://standrews.eu.qualtrics.com/jfe/form/SV_8tCS9optBqxdD7](https://standrews.eu.qualtrics.com/jfe/form/SV_8tCS9optBqxdD7)

For modules in other schools the responsibility lies with you to ensure that you know the procedures for requesting an extension.
ILLNESS AFFECTING YOUR EXAMS

If you are unable to sit an examination due to illness or other unavoidable reason you should do the following as soon as possible:

- Submit a Self-Certificate of Absence form.
- Notify the Examinations Officer ONLY if there is a problem submitting a Self-Certificate - please ‘phone (01334) 464100.
- Contact the School for the module affected to make arrangements for deferred or alternative assessment.
- You might also want to discuss the issues affecting you with Student Services.

If you are worried about illness, personal issues, or academic performance you must make contact with the relevant people as early as possible to try to prevent problems affecting your grades. Remember we all want to see you make the most of your time here in St Andrews.

Studying abroad

It is possible to spend a year of your undergraduate programme at an overseas university [http://www.st-andrews.ac.uk/studyabroad/outgoingstudents/](http://www.st-andrews.ac.uk/studyabroad/outgoingstudents/).

If you are interested in study abroad please contact Dr Pulver ([sp96@st-andrews.ac.uk](mailto:sp96@st-andrews.ac.uk)) and he can talk you through your options. Remember that in addition to studying abroad you can do an internship in an international laboratory during your summer break.

Work Experience

A number of our students undertake laboratory placements over the course of their degree. It is difficult to get funding for 1st year students but students have previously been awarded funding for summer research projects at the end of their 2nd or 3rd years. If you wish to undertake summer research in St Andrews, take a look at the University web pages to find out what kind of research goes on here. [http://www.st-andrews.ac.uk/psychology/](http://www.st-andrews.ac.uk/psychology/)

Once you have found an area that interests you, contact the potential supervisor early as many funding deadlines fall in January and February. There are a list of
potential funders on the School of Psychology & Neuroscience website and the careers centre also has some information on funding streams.

http://www.st-andrews.ac.uk/psychology/research/vacationscholarships/

Of course there are many opportunities beyond St Andrews which you might wish to consider. Again the careers centre can direct you to a wide variety of internship schemes. You can also simply search for researchers who work in the field you are interested in and make contact via e-mail.

Help and support beyond academia

As well as a new system of learning, many of you will be entering a new chapter in your lives, living away from home for the first time. Again there are a variety of resources available to you, so please use them.

THE ASC

Staff at the ASC are there for any query, from paying bills, to obtaining an academic transcript, seeking advice on visas, making a complaint, personal issues, or any other student matters. The ASC office is open from Monday to Friday 9.30am-4.30pm, but there are appointments available beyond these times and can be booked by calling, through the on-line system or by dropping by the office on North Street. The ASC weblink is:

http://www.st-andrews.ac.uk/students/advice/

NIGHTLINE

Nightline is a confidential and anonymous listening and information service run by students and for students every night of term time. The number is (01334 46) 2266. If you want to speak to another student, in confidence, about anything, give them a call. They are also there for information about St Andrews (including exam timetables). On-line chats are also available during term time:

http://www.st-andrews.ac.uk/nightline/

STUDENTS FROM OVERSEAS

Neuroscience is an international course with over one third of our current final year students coming from beyond the EU. Overseas students have many additional administrative considerations such as visas and international money
transfers to contend with. All of the information you might need on such matters is available on the university website:

http://www.st-andrews.ac.uk/international/

**MONEY MATTERS**

Managing your money at University is not always easy and there are a range of documents on the website to help you [http://www.st-andrews.ac.uk/students/money/](http://www.st-andrews.ac.uk/students/money/). You can also discuss any financial issues with the ASC.

For students facing financial difficulties the University has a discretionary fund. This is a fund given to the University by the government to assist both undergraduate and postgraduate students. Money is allocated to *home students* who can provide evidence of financial hardship targeting particular groups including independent students, students with dependents, part-time students, final year undergraduates and students with extra costs due to health and disability.

[http://www.st-andrews.ac.uk/students/money/financialsupport/discretionaryfund/discretionaryfund2016-17/](http://www.st-andrews.ac.uk/students/money/financialsupport/discretionaryfund/discretionaryfund2016-17/)

Similar support is available to *overseas students, including those from the EU* through the international welfare fund:

[http://www.st-andrews.ac.uk/students/money/financialsupport/internationalstudenthardshipfund2016-17/](http://www.st-andrews.ac.uk/students/money/financialsupport/internationalstudenthardshipfund2016-17/)

In addition, all students facing exceptional financial difficulties can apply to the welfare fund:

[http://www.st-andrews.ac.uk/students/money/financialsupport/welfaregrantfund2016-17/](http://www.st-andrews.ac.uk/students/money/financialsupport/welfaregrantfund2016-17/)

Any students with an acute cash flow problem can apply to the university loan fund for a short-term interest free loan.

[http://www.st-andrews.ac.uk/students/money/financialsupport/universityloanfund2016-17/](http://www.st-andrews.ac.uk/students/money/financialsupport/universityloanfund2016-17/)
To help with the cost of studying there are a few scholarship schemes available to students which you may not be aware of. Some of these have very tight eligibility criteria but they are definitely worth taking a look at:

http://www.st-andrews.ac.uk/study/ug/fees-and-funding/scholarships/

**Life beyond modules...**

The most crucial outcome from your time in St Andrews is a good degree demonstrating your strong academic performance. But it is also important to keep up with hobbies and interests, and to meet students from all walks of university life. There are a range of clubs and activities that you might wish to consider.

http://www.st-andrews.ac.uk/study/why/life/students-association/

**CLASS REP**

Each year from second year upwards has a class representative for Neuroscience who can collate and pass on the views of the year group. For first year students there are class reps for the major subject modules but not for the degree. Class reps have responsibility for attending a variety of meetings to represent their cohort. This is not a position to undertake lightly as it will not help your classmates if you fail to attend meetings. On the other hand, this position demonstrates leadership and responsibility and will look good on your CV!

**THE MAZE**

The Maze is a student led magazine and any of our students can submit an article on a topic that they are interested in in Psychology & Neuroscience. You can view a sample issue and get some more information on-line. This is a great opportunity to practice your writing skills and get your thoughts and ideas in print.


**FACEBOOK**

There is a Facebook page for Neuroscientists in St Andrews and you can request to join this. It would be great if the Neuroscience Facebook community could be as active and informative as possible so use it to post ideas and news articles that may be of interest to your fellow Neuroscientists as well as to advertise social events.
PSYCHOLOGY & NEUROSCIENCE SOCIETY

Neuroscientists can of course join the Psychology & Neuroscience society. This brings together all of the students in the School of Psychology & Neuroscience and they plan a number of events from social evenings to academic talks.

http://www.yourunion.net/activities/society/7189/

So what can you do with a Neuroscience degree?

Our graduates go on to a wide range of careers and it can be useful to start thinking about where your ambitions lie. For example, some of the things that our 2016 graduates have gone on to do include:

PhDs in Neuroscience

Masters degrees in Neuroscience

Medicine

GSK Future Leaders Programme

Secondary School Teaching

Previous graduates have gone on to a range of careers from a wide variety of fields. For more on what Neuroscience graduates can do in the future: http://www.st-andrews.ac.uk/careers/

Neuroscience staff

Dr Gayle Doherty  ghm@st-andrews.ac.uk  3611
Dr Wenchang Li  wl21@st-andrews.ac.uk  3579
Dr Gareth Miles  gbm4@st-andrews.ac.uk  3281
Dr Stefan Pulver  sp96@st-andrews.ac.uk  3503
Prof Keith Sillar  kts1@st-andrews.ac.uk  2071
Grade Descriptors

1st Class  Very good to excellent Honours standard
19, 20  As 17-18, except there is additional clear evidence that the student has valuable originality in perspective or exceptional depth of understanding, and/or has integrated appropriate material in addition to that presented by the question setter in the taught module.
17, 18  A very good understanding of the major issues, with a clear, well-informed and well-structured contextual framework and argument around the topic. There is an appropriate mix of theory and evidence.

Upper 2nd Class  Good Honours standard.
14, 15, 16  The answer displays a good understanding of the main relevant issues. There are no major conceptual errors on key issues, but there may be minor errors. The essay is generally well written and comprehensible.

Lower 2nd Class  Adequate Honours standard.
11, 12, 13  The answer shows an understanding of the key issues and has a suitable contextual framework, but without great depth. The arguments are weakly articulated.

3rd Class  Minimal Honours standard
9, 10  Most of the key issues are addressed correctly but superficially, and without showing real understanding. Some relevant evidence and/or factual information. Poorly organized and lacking a contextual framework.

Ordinary, Pass  Not Honours standard
7  Many of the key issues are addressed, but either very superficially or with important errors and/or omissions. Little relevant evidence and few facts. Brief, or unnecessarily padded and/or very poorly organized.

Fail  Unacceptable performance: NOT CREDITWORTHY
5  Some key issues are addressed correctly, albeit superficially, but others have serious conceptual errors or are missing. Little relevant evidence and few correct facts.
3  Some relevant information is presented, but the key issues of the topic either are largely wrong or missing. Extremely superficial throughout. Little or no relevant evidence and few correct facts.
1  Contains a small amount of neuroscience or informational content, but either irrelevant, wrong, or trivial.
0  No neuroscience content at all.