PSYH4461

Advanced Topics in Physiological Psychology

Session 1, In person-scheduled-weekday, North Ryde 2022

School of Psychological Sciences

Contents

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General Information

Unit convenor and teaching staff
Christina Perry
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Credit points
10

Prerequisites

Corequisites
PSYH4418 or PSYH490 or PSHY4490 or PSYH495 or PSYH4495 or PSYH4492

Co-badged status
This unit is co-badged with PSYM7761

Unit description
The aims of this seminar are to introduce and develop students' understanding and awareness of current topics in contemporary neuroscience. Students will develop the ability to critically evaluate, present and discuss research papers. This seminar series will cover a wide range of topics in the field of neuroscience such as neural stem cell research, transgenic research, neural basis of emotions, anxiety disorders, depression and drug addiction. Essay and presentation topics will be allocated or guided by the students' own interest in neuroscience.

Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at https://www.mq.edu.au/study/calendar-of-dates

Learning Outcomes

On successful completion of this unit, you will be able to:

ULO1: Demonstrate an awareness of the physiology and pharmacology of brain function.

ULO2: Apply knowledge of brain function to understanding the underpinnings of mental illness, neurodevelopmental disorders and neurodegenerative diseases.

ULO3: Critically analyse journal articles on mental illness, neurodevelopmental disorders and neurodegenerative diseases based on their methodological design, reasoning and data.

ULO4: Clearly and efficiently communicate the reasoning, methodological design, and

outcome of a research paper.

General Assessment Information

Essay

Topics for the essay will be provided via iLearn on Monday 7th March (Week 3) or students may choose their own topic following approval from the convenors.

Submitting your essay

Please submit a copy or your essay (Microsoft word format only) via the turnitin link in iLearn. Essays will be returned by the end of Week 9.

A copy of the assignment must be kept as proof that the assignment was completed and submitted. Assignments will not be accepted after the return of marked assignments.

Assignments submitted by post will not be accepted.

You will be required to submit your assignment to Turnitin plagiarism detection software via the Internet. Your assignment will be automatically compared to work of other students in this unit, previous students in this unit and at other universities, as well as material available on the Internet in subscription-based journal format or otherwise freely accessible information. The results of the analysis will be sent only to the unit chairs, who will analyse the results in reference to the University's standard policy on plagiarism http://www.student.mq.edu.au/plagiarism/.

Penalties will be levied for late submission of assignment and for exceeding word limits:

Penalties for late submission: Late submissions will receive a 5% per day penalty including weekends and public holidays, unless an extension has been granted through special consideration. For this assignment, worth 50%, this means that every day late will result in the loss of 5% (0.05) x 50 = 2.5 marks from the total mark (50) for the assignment. No late submissions will be accepted more than 5 days after the submission deadline, unless special consideration has been granted. No further submissions will be accepted after the marked assignments are returned and feedback is released to students.

Penalty for exceeding word limit: For each 100 words over the word limit a penalty of 5% will be applied (i.e.you have 99 words on page 9 before penalty). This means that for this assignment that is worth 50%, a 5% penalty will result in the loss of 5% (0.05) x 50 = 2.5 marks from the total mark (50) for the assignment.

Request for Extensions for Assignments are granted by the Faculty Office:

Ordinarily, no extensions of time for submission of written work will be granted since ample time for preparation will have been given. If an extension is required for medical or other extenuating circumstances, students may request this in writing through ask.mq.edu.au with supporting documentary evidence (such as medical certificate, counsellor note, or similar). Ms Donna Keeley will make all decisions regarding extensions. The course convenor will not grant extensions.

All requests for extensions must be made <u>prior</u> to the due date for the assignment.

If an extension is granted, the approval <u>must be uploaded with the online submission of your essay</u> to avoid any late penalty.

Research Presentation

Oral presentations will be made during the allocated class time (Tuesday 4-6pm). Topics will be allocated in week 1, however specific papers will be allocated in class the week prior to the scheduled presentation. Thus all students have one week to prepare their research presentation. Timing is included in the assessment rubric, and marks will be deducted for any presentations that exceed the allocated time.

Student participation

All students will be expected to read the allocated papers prior to class, regardless of whether or not they are presenting. Following each presentation there will be 5-10 minutes of questions and discussion, and all students will be expected to contribute to this discussion. This could be in the form of asking questions regarding the methodology used or the conclusions drawn by the authors, or offering additional points to those made by the presenter. Students should be able to demonstrate that they have read and considered the research reported in the paper.

Assessment Tasks

Name	Weighting	Hurdle	Due
Research Presentation	35%	No	One of weeks 2-6 or 8-13
Student participation	15%	No	All weeks
Essay	50%	No	7/04/2022

Research Presentation

Assessment Type [1]: Presentation
Indicative Time on Task [2]: 30 hours
Due: **One of weeks 2-6 or 8-13**
Weighting: **35%**

Students are to individually select a relevant neuroscience article and present their arguments in a PowerPoint presentation

On successful completion you will be able to:
- Demonstrate an awareness of the physiology and pharmacology of brain function.
- Apply knowledge of brain function to understanding the underpinnings of mental illness,

neurodevelopmental disorders and neurodegenerative diseases.

- Critically analyse journal articles on mental illness, neurodevelopmental disorders and neurodegenerative diseases based on their methodological design, reasoning and data.
- Clearly and efficiently communicate the reasoning, methodological design, and outcome of a research paper.

Student participation

Assessment Type [1]: Participatory task
Indicative Time on Task [2]: 10 hours
Due: **All weeks**
Weighting: **15%**

Students are expected to participate in class discussions particularly during oral presentations to foster an understanding and critical evaluation of research papers that are read prior to class.

On successful completion you will be able to:

- Demonstrate an awareness of the physiology and pharmacology of brain function.
- Apply knowledge of brain function to understanding the underpinnings of mental illness, neurodevelopmental disorders and neurodegenerative diseases.
- Critically analyse journal articles on mental illness, neurodevelopmental disorders and neurodegenerative diseases based on their methodological design, reasoning and data.

Essay

Assessment Type [1]: Essay
Indicative Time on Task [2]: 47 hours
Due: **7/04/2022**
Weighting: **50%**

Students are required to submit an eight page essay (excluding references) critically evaluating research topics on an advanced physiological psychology issue.

On successful completion you will be able to:

- Demonstrate an awareness of the physiology and pharmacology of brain function.
- Apply knowledge of brain function to understanding the underpinnings of mental illness, neurodevelopmental disorders and neurodegenerative diseases.
- Critically analyse journal articles on mental illness, neurodevelopmental disorders and neurodegenerative diseases based on their methodological design, reasoning and data.

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[1] If you need help with your assignment, please contact:

- the academic teaching staff in your unit for guidance in understanding or completing this type of assessment
- the Writing Centre for academic skills support.

2 Indicative time-on-task is an estimate of the time required for completion of the assessment task and is subject to individual variation

Delivery and Resources

This version of the unit is "In person scheduled weekday". Students should not attend on-campus classes if you are unwell or have any cold and flu-like symptoms. Ensure you follow the most recent University COVID-19 advice https://www.mq.edu.au/about/coronavirus-faqs/informat ion-for-students

Face-to-face sessions are an essential part of PSYH4461/PSYCM7761 and these cannot be delivered online. All students are therefore required to come to campus to participate in these sessions and participate in class discussions. If you are unable to attend class in person due to unavoidable reasons (quarantine, illness, etc.), you should apply for Special Consideration through AskMQ. Reasonable adjustments will be made for students with approved special consideration.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://policie s.mq.edu.au). Students should be aware of the following policies in particular with regard to Learning and Teaching:

- Academic Appeals Policy
- Academic Integrity Policy
- Academic Progression Policy
- Assessment Policy
- Fitness to Practice Procedure
- Assessment Procedure
- Complaints Resolution Procedure for Students and Members of the Public
- Special Consideration Policy

Students seeking more policy resources can visit Student Policies (https://students.mq.edu.au/su pport/study/policies). It is your one-stop-shop for the key policies you need to know about throughout your undergraduate student journey.

To find other policies relating to Teaching and Learning, visit Policy Central (https://policies.mq.e du.au) and use the search tool.

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of

Conduct: https://students.mq.edu.au/admin/other-resources/student-conduct

Results

Results published on platform other than eStudent, (eg. iLearn, Coursera etc.) or released directly by your Unit Convenor, are not confirmed as they are subject to final approval by the University. Once approved, final results will be sent to your student email address and will be made available in eStudent. For more information visit ask.mq.edu.au or if you are a Global MBA student contact globalmba.support@mq.edu.au

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing an d maths support, academic skills development and wellbeing consultations.

Grading

Macquarie University follow standards-based assessment of student performance. All individual assessment tasks are subject to moderation, consistent with the Assessment Policy and Procedure. A student's final mark for this unit, and associated grade, must reflect their attainment of the unit learning outcomes, and isn't necessarily a simple summation of their individual assessment items.

Student Support

Macquarie University provides a range of support services for students. For details, visit http://students.mq.edu.au/support/

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader
- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the Academic Integrity Module

The Library provides online and face to face support to help you find and use relevant information resources.

- Subject and Research Guides
- Ask a Librarian

Student Services and Support

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues

Student Enquiries

Got a question? Ask us via AskMQ, or contact Service Connect.

IT Help

For help with University computer systems and technology, visit http://www.mq.edu.au/about_us/offices_and_units/information_technology/help/.

When using the University's IT, you must adhere to the Acceptable Use of IT Resources Policy. The policy applies to all who connect to the MQ network including students.