MEDI3300

Neuroscience

Session 2, Special circumstance 2020

Medicine, Health and Human Sciences Faculty level units

Contents

Disclaimer

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Notice

As part of Phase 3 of our return to campus plan, most units will now run tutorials, seminars and other small group learning activities on campus for the second half-year, while keeping an online version available for those students unable to return or those who choose to continue their studies online.

To check the availability of face-to-face and online activities for your unit, please go to timetable viewer. To check detailed information on unit assessments visit your unit's iLearn space or consult your unit convenor.

General Information

Unit convenor and teaching staff
Unit convenor
Ian Johnson
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unit co-convenor
Peter Burke
peter.burke@mq.edu.au

Credit points
10

Prerequisites
(MEDI204 or MEDI2300) or [(HLTH214 or ANAT2004) and (BIOL257 or BIOL2230)] or
(COGS2000 or COGS202)

Corequisites

Co-badged status

Unit description
In this unit you will expand on the knowledge gained in MEDI2300 to explore more complex
neural processing. You will learn about the higher-order processing of movement, sensation
and cognitive function, and apply this knowledge to neuropathology. You will engage in hot
topic discussions on the lastest developments in neuroscience to deepen your knowledge and
understanding.

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: Evaluate the higher-order neural processes required for the generation of
movement, sensation, cognitive function and the maintenance of homeostasis.

ULO2: Appraise the pathological consequences that result from disruption to the central
processing of movement, sensation, cognitive function and maintenance of homeostatic
function.

ULO3: Critique the role of discovery in advancing the field of neuroscience in both a clinical and medical research setting.

General Assessment Information

General Assessment Information

Grade descriptors and other information concerning grading are contained in Schedule 1 of the Macquarie University Assessment Policy, which is available at: https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/assessment.

Further details for each assessment task will be available on iLearn.

All final grades in the Bachelor of Clinical Science are determined by a grading committee and are not the sole responsibility of the Unit Convenor.

Students will be awarded a final grade plus a Standardised Numerical Grade (SNG). The SNG is not necessarily a summation of the individual assessment components. The final grade and SNG that are awarded reflect the corresponding grade descriptor in the Grading Policy.

To pass this unit, students must demonstrate sufficient evidence of achievement of the learning outcomes, attempt all assessment tasks, meet any ungraded requirements including professionalism and achieve an SNG of 50 or better.

Student Professionalism

In the Faculty of Medicine and Health Sciences, professionalism is a key capability embedded in all our courses. As part of developing professionalism, students are expected to attend all small group interactive sessions including tutorials.

Furthermore, lectures and seminars are key learning activities that you are expected to attend throughout completion of the Bachelor of Clinical Science. While audio recordings and lecture slides may be made available following these large group sessions, it is important to recognise that such resources are a study aid - and should not be considered an alternative to lecture or seminar attendance.

Students are required to attend a minimum of 80% of all small group interactive sessions. Students that do not meet this requirement may be deemed unable to meet expectations regarding professionalism and may be referred for disciplinary action (which may include exclusion from assessments and unit failure).

Similarly, as part of developing professionalism, students are expected to submit all work by the due date. Applications for assessment task extensions must be supported by appropriate evidence and submitted via www.ask.mq.edu.au. For further details please refer to the Special Consideration Policy available at https://students.mq.edu.au/study/my-study-program/special-consideration.

Late Submission

All assignments which are officially received after the due date, and where no extension has been granted, will incur a deduction of 5% for the first day, and 5% for each subsequent day

including the actual day on which the work is received up until 10 days late. Assignments submitted after this will not be accepted and a zero mark awarded. Weekends and public holidays are included. For example:

Due date	Received	Days late	Deduction	Raw mark	Final mark	
Friday 14th	Monday 17th	3	15%	75%	60%	

Assessment Tasks

Name	Weighting	Hurdle	Due
Online Quiz	0%	No	weeks 32,34,36,40,42,44
Hot Topic Debate	30%	No	week 44
Mid-Semester Examination	30%	No	Week 37
Final Exam	40%	No	Exam period

Online Quiz

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 3 hours
Due: **weeks 32,34,36,40,42,44**
Weighting: **0%**

Six online formative quizzes that provide students with ongoing feedback.

On successful completion you will be able to:
- Evaluate the higher-order neural processes required for the generation of movement, sensation, cognitive function and the maintenance of homeostasis.
- Appraise the pathological consequences that result from disruption to the central processing of movement, sensation, cognitive function and maintenance of homeostatic function.

Hot Topic Debate

Assessment Type [1]: Debate
Indicative Time on Task [2]: 20 hours
Due: **week 44**
Weighting: **30%**

A two-part assessment that involves a (1) team debate that critically evaluates a current and emerging area of neuroscience research and (2) an individual report that synthesises the debate and demonstrates an understanding of normal and/or pathological neural processes.

On successful completion you will be able to:

- Evaluate the higher-order neural processes required for the generation of movement, sensation, cognitive function and the maintenance of homeostasis.
- Appraise the pathological consequences that result from disruption to the central processing of movement, sensation, cognitive function and maintenance of homeostatic function.
- Critique the role of discovery in advancing the field of neuroscience in both a clinical and medical research setting.

Mid-Semester Examination

Assessment Type [1]: Examination
Indicative Time on Task [2]: 10 hours
Due: **Week 37**
Weighting: **30%**

Mid-session exam that assesses learning up until that point.

On successful completion you will be able to:

- Evaluate the higher-order neural processes required for the generation of movement, sensation, cognitive function and the maintenance of homeostasis.
- Appraise the pathological consequences that result from disruption to the central processing of movement, sensation, cognitive function and maintenance of homeostatic function.

Final Exam

Assessment Type [1]: Examination
Indicative Time on Task [2]: 30 hours
Due: **Exam period**
Weighting: **40%**

Formal written exam using a combination of question types assessing content delivered across the session. This task is completed under examination conditions during the University examination period.

On successful completion you will be able to:

- Evaluate the higher-order neural processes required for the generation of movement, sensation, cognitive function and the maintenance of homeostasis.
- Appraise the pathological consequences that result from disruption to the central processing of movement, sensation, cognitive function and maintenance of homeostatic function.
- Critique the role of discovery in advancing the field of neuroscience in both a clinical and medical research setting.

[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 unit will be delivered online while COVID19 social distancing requirements are in operation.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central). 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
- Grade Appeal Policy
- Complaint Management Procedure for Students and Members of the Public

- Special Consideration Policy *(**Note:** The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.)*

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

If you would like to see all the policies relevant to Learning and Teaching visit Policy Central (https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central).

Student Code of Conduct

Macquarie University students have a responsibility to be familiar with the Student Code of Conduct: https://students.mq.edu.au/study/getting-started/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

Student Support

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

Learning Skills

Learning Skills (mq.edu.au/learningskills) provides academic writing resources and study strategies to help you improve your marks and take control of your study.

- Getting help with your assignment
- Workshops
- StudyWise
- 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

Students with a disability are encouraged to contact the Disability Service who can provide appropriate help with any issues that arise during their studies.

Student Enquiries

For all student enquiries, visit Student Connect at ask.mq.edu.au

If you are a Global MBA student contact globalmba.support@mq.edu.au

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.