



# MEDI3301

## Clinical Neuroscience

Session 2, Special circumstances 2021

*Medicine, Health and Human Sciences Faculty level units*

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#### Disclaimer

Macquarie University has taken all reasonable measures to ensure the information in this publication is accurate and up-to-date. However, the information may change or become out-dated as a result of change in University policies, procedures or rules. The University reserves the right to make changes to any information in this publication without notice. Users of this publication are advised to check the website version of this publication [or the relevant faculty or department] before acting on any information in this publication.

#### Session 2 Learning and Teaching Update

The decision has been made to conduct study online for the remainder of Session 2 for all units WITHOUT mandatory on-campus learning activities. Exams for Session 2 will also be online where possible to do so.

This is due to the extension of the lockdown orders and to provide certainty around arrangements for the remainder of Session 2. We hope to return to campus beyond Session 2 as soon as it is safe and appropriate to do so.

Some classes/teaching activities cannot be moved online and must be taught on campus. You should already know if you are in one of these classes/teaching activities and your unit convenor will provide you with more information via iLearn. If you want to confirm, see the list of [units with mandatory on-campus classes/teaching activities](#).

Visit the [MQ COVID-19 information page](#) for more detail.

## General Information

Unit convenor and teaching staff

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Credit points

10

Prerequisites

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

Corequisites

Co-badged status

Unit description

In this unit, you will explore the pathophysiological basis of common neurological disorders, including, but not limited to, stroke, brain tumours, Motor Neuron Disease, Parkinson's Disease, Alzheimer's Disease, frontotemporal dementia and epilepsy. The current clinical treatment and management of common neurological disorders will be explained and links to ongoing translational research highlighted.

## Important Academic Dates

Information about important academic dates including deadlines for withdrawing from units are available at <https://students.mq.edu.au/important-dates>

## Learning Outcomes

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

**ULO1:** Describe the concepts and mechanisms underlying major diseases of the nervous system.

**ULO2:** Discuss the current clinical treatment and management strategies for patients with common neurological disorders.

**ULO3:** Evaluate the current research literature investigating nervous system disorders and discuss how research can improve our understanding of the pathological basis and treatment outcomes for nervous system disorders.

## 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 Convener. 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](http://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

Late submissions will receive a 5% per day penalty including weekends and public holidays. If you submit the assessment task 10 days or more beyond the due date, without an approved extension, you will be awarded a maximum of 50% of the overall assessment marks. For example:

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

Name	Weighting	Hurdle	Due
<a href="#">In Class Test/ Online test</a>	10%	No	Week 3, 12 August 2021 (Thursday)
<a href="#">Neuroscience Assignment</a>	30%	No	Week 7, 7th September 2021 (Tuesday)
<a href="#">In class test/ Online test</a>	10%	No	Week 10, 14th October 2021 (Thursday)
<a href="#">Final Exam</a>	50%	No	Exam Period

### In Class Test/ Online test

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 7 hours

Due: **Week 3, 12 August 2021 (Thursday)**

Weighting: **10%**

Quiz/ Test in week 10 comprises of forty multiple choice questions (MCQ) and/or short answer question (SAQ).

On successful completion you will be able to:

- Describe the concepts and mechanisms underlying major diseases of the nervous system.
- Discuss the current clinical treatment and management strategies for patients with common neurological disorders.
- Evaluate the current research literature investigating nervous system disorders and discuss how research can improve our understanding of the pathological basis and treatment outcomes for nervous system disorders.

### Neuroscience Assignment

Assessment Type <sup>1</sup>: Reflective Writing

Indicative Time on Task <sup>2</sup>: 14 hours

Due: **Week 7, 7th September 2021 (Tuesday)**

Weighting: **30%**

In week 7 students submit an assignment of 1500 words. Recommended to check for plagiarism in Turnitin.

On successful completion you will be able to:

- Describe the concepts and mechanisms underlying major diseases of the nervous system.
- Discuss the current clinical treatment and management strategies for patients with common neurological disorders.
- Evaluate the current research literature investigating nervous system disorders and discuss how research can improve our understanding of the pathological basis and treatment outcomes for nervous system disorders.

## In class test/ Online test

Assessment Type <sup>1</sup>: Quiz/Test

Indicative Time on Task <sup>2</sup>: 7 hours

Due: **Week 10, 14th October 2021 (Thursday)**

Weighting: **10%**

Quiz/ Test in week 3 comprises of forty multiple choice questions (MCQ) and/or short answer question (SAQ)

On successful completion you will be able to:

- Describe the concepts and mechanisms underlying major diseases of the nervous system.
- Discuss the current clinical treatment and management strategies for patients with common neurological disorders.
- Evaluate the current research literature investigating nervous system disorders and discuss how research can improve our understanding of the pathological basis and treatment outcomes for nervous system disorders.

## Final Exam

Assessment Type <sup>1</sup>: Examination

Indicative Time on Task <sup>2</sup>: 30 hours

Due: **Exam Period**

Weighting: **50%**

Written/ online exam using a combination of multiple choice questions and short answer question types covering the content delivered across the session.

On successful completion you will be able to:

- Describe the concepts and mechanisms underlying major diseases of the nervous system.
- Discuss the current clinical treatment and management strategies for patients with common neurological disorders.
- Evaluate the current research literature investigating nervous system disorders and discuss how research can improve our understanding of the pathological basis and treatment outcomes for nervous system disorders.

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<sup>1</sup> 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 [Learning Skills Unit](#) for academic skills support.

<sup>2</sup> 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

### Recommended reading:

1. Clinical Neuroscience by Paul Johns. Publisher: Churchill Livingstone. Edition 1. ISBN: 9780443103216

## Unit Schedule

Week	Topic
Week 1 Monday 26 July- Friday 30 July	Alzheimer's disease and dementia
Week 2 Monday 2 Aug- Friday 6 Aug	Inflammatory-Multiple Sclerosis, NMO, Meningitis, Encephalitis

Week 3 Monday 9 Aug- Friday 13 Aug	Vision disorder
Week 4 Monday 16 Aug- Friday 20 Aug	Epilepsy / sleep disorders/ CNS drugs and toxicity/ alcohol induced toxicity
Week 5 Monday 23 Aug- Friday 27 Aug	Headache-Migraine, cranial nerves, Trigeminal Neuralgia
Week 6 Monday 30 Aug- Friday 3 Sep	Tumours - astrocytoma, glioma, meningioma, Neurofibromatosis, secondaries
Week 7 Monday 6 Sep- Friday 10 Sep	Neurovascular disorders - Stroke, Ischemic, haemorrhagic and vasculitis, Aneurysm
September 13, 2021, to September 24, 2021	Break
Week 8 Monday 27 Sep- Friday 1 Oct	Movement disorders- MND, Parkinson's disease, Muscular dystrophy, Myasthenia Gravis, Tremors and Ataxia
Week 9 Monday 4 Oct- Friday 8 Oct	CSF disorders- Syringomyelia, Idiopathic intracranial hypertension, Hydrocephalus
Week 10 Monday 11 Oct- Friday 15 Oct	Peripheral neuropathy, Degenerative spine, and other neuropathies
Week 11 Monday 18 Oct- Friday 22 Oct	Hearing loss-auditory neuroscience
Week 12 Monday 25 Oct- Friday 29 Oct	Neuroendocrine disorders - Pituitary and hypothalamus
Week 13 Monday 1 Nov- Friday 5 Nov	Neurotrauma

## Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://policies.mq.edu.au\)](https://policies.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](#)
- [Grade Appeal Policy](#)
- [Complaint Management 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/support/study/policies) (<https://students.mq.edu.au/support/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.edu.au) (<https://policies.mq.edu.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](http://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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](http://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 Enquiry Service

For all student enquiries, visit Student Connect at [ask.mq.edu.au](http://ask.mq.edu.au)

If you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto:globalmba.support@mq.edu.au)

## Equity 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.

## IT Help

For help with University computer systems and technology, visit [http://www.mq.edu.au/about\\_us/offices\\_and\\_units/information\\_technology/help/](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.