MEDI3301
Clinical Neuroscience
Session 2, Special circumstances 2021

Medicine, Health and Human Sciences Faculty level units

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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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Cara Hildreth
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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:


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. 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:

<table>
<thead>
<tr>
<th>Due date</th>
<th>Received</th>
<th>Days late</th>
<th>Deduction</th>
<th>Raw mark</th>
<th>Final mark</th>
</tr>
</thead>
</table>

https://unitguides.mq.edu.au/unit_offerings/133941/unit_guide/print 3
### Assessment Tasks

<table>
<thead>
<tr>
<th>Name</th>
<th>Weighting</th>
<th>Hurdle</th>
<th>Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Class Test/ Online test</td>
<td>10%</td>
<td>No</td>
<td>Week 3, 12 August 2021 (Thursday)</td>
</tr>
<tr>
<td>Neuroscience Assignment</td>
<td>30%</td>
<td>No</td>
<td>Week 7, 7th September 2021 (Tuesday)</td>
</tr>
<tr>
<td>In class test/ Online test</td>
<td>10%</td>
<td>No</td>
<td>Week 10, 14th October 2021 (Thursday)</td>
</tr>
<tr>
<td>Final Exam</td>
<td>50%</td>
<td>No</td>
<td>Exam Period</td>
</tr>
</tbody>
</table>

#### In Class Test/ Online test
- **Assessment Type**: Quiz/Test
- **Indicative Time on Task**: 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**: Reflective Writing
- **Indicative Time on Task**: 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 1: Quiz/Test  
Indicative Time on Task 2: 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 1: Examination  
Indicative Time on Task 2: 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.

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 Learning Skills Unit 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**

**Recommended reading:**


**Unit Schedule**

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Alzheimer’s disease and dementia</td>
</tr>
<tr>
<td>Monday 26 July</td>
<td>Friday 30 July</td>
</tr>
<tr>
<td>Week 2</td>
<td>Inflammatory-Multiple Sclerosis, NMO, Meningitis, Encephalitis</td>
</tr>
<tr>
<td>Monday 2 Aug</td>
<td>Friday 6 Aug</td>
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<tr>
<td>Week 3</td>
<td>Vision disorder</td>
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<tr>
<td>Monday 9 Aug- Friday 13 Aug</td>
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<tr>
<th>Week 4</th>
<th>Epilepsy / sleep disorders/ CNS drugs and toxicity/ alcohol induced toxicity</th>
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<tr>
<td>Monday 16 Aug- Friday 20 Aug</td>
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<tr>
<th>Week 5</th>
<th>Headache-Migraine, cranial nerves, Trigeminal Neuralgia</th>
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<tr>
<td>Monday 23 Aug- Friday 27 Aug</td>
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<tr>
<th>Week 6</th>
<th>Tumours - astrocytoma, glioma, meningioma, Neurofibromatosis, secondaries</th>
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<tr>
<td>Monday 30 Aug- Friday 3 Sep</td>
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<tr>
<th>Week 7</th>
<th>Neurovascular disorders - Stroke, Ischemic, haemorrhagic and vasculitis, Aneurysm</th>
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<tr>
<td>Monday 6 Sep- Friday 10 Sep</td>
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<table>
<thead>
<tr>
<th>September 13, 2021, to September 24, 2021</th>
<th>Break</th>
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<tr>
<th>Week 8</th>
<th>Movement disorders- MND, Parkinson's disease, Muscular dystrophy, Myasthenia Gravis, Tremors and Ataxia</th>
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<tbody>
<tr>
<td>Monday 27 Sep- Friday 1 Oct</td>
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<tr>
<th>Week 9</th>
<th>CSF disorders- Syringomyelia, Idiopathic intracranial hypertension, Hydrocephalus</th>
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<tr>
<td>Monday 4 Oct- Friday 8 Oct</td>
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<tr>
<th>Week 10</th>
<th>Peripheral neuropathy, Degenerative spine, and other neuropathies</th>
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<tr>
<td>Monday 11 Oct- Friday 15 Oct</td>
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<table>
<thead>
<tr>
<th>Week 11</th>
<th>Hearing loss-auditory neuroscience</th>
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<tr>
<td>Monday 18 Oct- Friday 22 Oct</td>
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<tr>
<th>Week 12</th>
<th>Neuroendocrine disorders - Pituitary and hypothalamus</th>
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<tr>
<td>Monday 25 Oct- Friday 29 Oct</td>
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<table>
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<tr>
<th>Week 13</th>
<th>Neurotrauma</th>
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<tr>
<td>Monday 1 Nov- Friday 5 Nov</td>
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**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 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/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

**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 Enquiry Service
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

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/.

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.