COGS1005

Introduction to Neuroscience 2

Session 2, Weekday attendance, North Ryde 2021

Department of Cognitive Science

Contents

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
Unit Convenor and Lecturer
Associate Professor David Kaplan
david.kaplan@mq.edu.au
Australian Hearing Hub 3.824
Email for appointment

Lecturer
Professor Thomas Fath
thomas.fath@mq.edu.au

Lecturer
Professor Emily Cross
emily.cross@mq.edu.au

Lecturer
Senior Lecturer Matthew Crossley
matthew.crossley@mq.edu.au

Credit points
10

Prerequisites
COGS1000 or COGS100

Corequisites

Co-badged status

Unit description
This unit forms a 2-unit sequence with COGS1000 and provides an intensive introduction to the fundamentals of modern neuroscience, with a focus on the structure and function of the human brain. Topics include neuroanatomy, neural signalling, sensory processing, neural control of movement, and brain development and evolution. Tutorials include hands-on research activities in which students will have the opportunity to act as both researchers and experimental participants.

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: Explain key terminology and basic principles of neuroscience.

ULO2: Describe the basic structure and function of the central nervous system with an emphasis on the human brain.

ULO3: Understand the core methods employed in neuroscience.

ULO4: Analyse and interpret scientific information and research in neuroscience.

ULO5: Demonstrate and apply basic experimental research skills to test hypotheses in neuroscience.

Assessment Tasks

Name	Weighting	Hurdle	Due
In-Class Lab Activity Sheets	15%	No	Weeks 2, 5, 7, 8, 10, 11
Final Exam	50%	No	Session 2 2021 Examination Period
Mid-Term Exam	25%	No	Week 7
Weekly Online Quizzes	10%	No	Weekly

In-Class Lab Activity Sheets

Assessment Type [1]: Lab report
Indicative Time on Task [2]: 6 hours
Due: **Weeks 2, 5, 7, 8, 10, 11**
Weighting: **15%**

Short (1-2 page), highly structured lab activity sheets completed in class. 1 activity sheet per lab. Graded on C/NC basis. Students may miss 1 lab activity without penalty.

On successful completion you will be able to:

- Explain key terminology and basic principles of neuroscience.
- Describe the basic structure and function of the central nervous system with an emphasis on the human brain.
- Understand the core methods employed in neuroscience.
- Analyse and interpret scientific information and research in neuroscience.

- Demonstrate and apply basic experimental research skills to test hypotheses in neuroscience.

Final Exam

Assessment Type [1]: Examination
Indicative Time on Task [2]: 50 hours
Due: **Session 2 2021 Examination Period**
Weighting: **50%**

2 hr exam, conducted during the official exam period. Combination of multiple choice and short answer questions.

On successful completion you will be able to:

- Explain key terminology and basic principles of neuroscience.
- Describe the basic structure and function of the central nervous system with an emphasis on the human brain.
- Understand the core methods employed in neuroscience.
- Analyse and interpret scientific information and research in neuroscience.

Mid-Term Exam

Assessment Type [1]: Examination
Indicative Time on Task [2]: 24 hours
Due: **Week 7**
Weighting: **25%**

1 hr multiple choice exam.

On successful completion you will be able to:

- Explain key terminology and basic principles of neuroscience.
- Describe the basic structure and function of the central nervous system with an emphasis on the human brain.
- Demonstrate and apply basic experimental research skills to test hypotheses in neuroscience.

Weekly Online Quizzes

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 5 hours
Due: **Weekly**
Weighting: **10%**

Short online multiple quizzes covering basic content completed before each class lecture. Designed to provide routine assessment and feedback. Graded on C/NC basis with 50% correct threshold for C. 10 quizzes in total; 10-20 MC questions; no make-up quizzes; students may drop 2 lowest quizzes without penalty.

On successful completion you will be able to:

- Explain key terminology and basic principles of neuroscience.
- Describe the basic structure and function of the central nervous system with an emphasis on the human brain.

---

[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

Lectures: All lectures will be delivered online, starting in Week 1. The officially scheduled lecture time is Monday **1:00 - 2:30 PM**. Depending on the lecturer, lectures will either be pre-recorded and uploaded through Echo360 prior to the officially scheduled lecture time or the lecture will be live-streamed via Zoom/Echo360 during the officially scheduled time. All lectures, regardless of initial delivery mode, will be recorded and made available for asynchronous viewing through Echo360.

- **Zoom meeting link:** https://macquarie.zoom.us/j/89445403181?pwd=SHA5QjlIN3VVQ0lhNHprWktKdnhFUT09
- **Zoom meeting password:** 345858

Tutorials: This unit involves essential on campus learning activities which will be delivered in accordance with a COVID Safe plan. You will be expected to attend relevant

on campus activities unless the Public Health Order and/or University advice changes. Given the current COVID situation in NSW, the University has announced that for the first two weeks of session classes and individual learning activities such as tutorials will be conducted online. In line with this guidance, the first few tutorials for COGS1005 will have to be transferred to online (and delivered via Zoom) and we will return to on-campus tutorials later in the Session when it is safe to do so. Please see the iLearn site for week-to-week information and Zoom meeting links for your tutorials.

Once on-campus tutorials resume, they will all take place in the Faculty PC Lab (12SW 421). Due to social distancing requirements, which are extremely likely to be in effect all session, you will have to attend the on-campus tutorial you enrolled in through eStudent. No swapping of tutorials without the explicit permission of the tutor running the class will be permitted. In case you are unable to attend a practical lab class in person due to unavoidable reasons (immunocompromised, illness, COVID test, etc.), you should apply for Special Consideration through AskMQ. If you have questions about applying for special consideration, please contact the FMHHS Student Centre. Reasonable adjustments will be made for students with approved special consideration.

Textbook: Purves D. et al. (Eds.) (2017) NEUROSCIENCE, 6th edition. Oxford, UK: Oxford University Press. Available for purchase through Booktopia.

iLearn: You will need access to the internet to access the unit's iLearn page. Through iLearn you will be able to access the lecture recordings (Echo360), additional readings, and feedback and marks for the assessment tasks. Please allow time to familiarise yourself with how to access iLearn. Further information and helpful guides for using iLearn can be found here.

Weekly online quizzes: This unit has weekly online quizzes designed to keep you on track during the fast paced semester. Quizzes will be graded either as full credit or no credit; no partial credit will be given. To receive full credit on a quiz, you must correctly answer at least 50% of the multiple choice questions. If you correctly answer less than 50% of the questions, you will receive no credit for that quiz. No make-up quizzes will be permitted (with the exception of officially approved Special Consideration requests). However, your 2 lowest quizzes will be dropped at the end of the semester. As indicated above, **quizzes must be completed online each week prior to the officially scheduled lecture time** (Monday 1:00 - 2:30 PM). Each quiz will be open until 12:00 midnight Sunday night, the night before the officially scheduled lecture time. Only quizzes completed before this deadline will be counted. These quizzes are open book, and you may take each quiz multiple times before the deadline, but only the first submitted attempt for each quiz will be counted. You will receive feedback as to your correct and incorrect answers at the completion of each quiz. There are no quizzes during the week of the Mid-term Exam (Week 7), the mid-semester break, and the final week of the semester (Week 13). The quizzes are delivered through iLearn, so you need to have access to a reliable computer with connection to the Internet. Technical difficulties will not be accepted as a reason for special consideration. To access the online quizzes:

1. Navigate to the appropriate week in iLearn (e.g., Week 2) and click on that week's quiz (e.g., Week 2 Quiz).

2. Read the information provided about what Chapters or page numbers that quiz will cover (it's

open book!), and note the date and time the quiz will close.

3. Click “Attempt quiz now” to begin. After answering each multiple-choice question, click “Save and review”.

4. Next, ensure you have answered each question (i.e., “Answer saved”). If you have not answered a question (i.e., “Not yet answered”), click “Return to attempt”.

5. Once you are satisfied that you have answered every question, click “Submit all and finish”. This will submit your quiz for scoring and log your grade.

6. Finally, you can carefully review your feedback to note which questions you did and did not answer correctly. The correct answer for each question will be given.

7. Click “Finish review” to exit. Remember, you can attempt the quiz again by selecting “Re-attempt quiz”, but only your first attempt will count towards your grade.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central (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). 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) 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

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.