COGS100

Introduction to Cognitive and Brain Sciences

S1 Day 2017

Department of Cognitive Science

Contents

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General Information

Unit convenor and teaching staff
Convenor and Lecturer
Mark Williams
mark.williams@mq.edu.au
Contact via +61 2 9850 4438
Australian Hearing Hub 3.511
Wednesday 12:00-2:00PM

Lecturer
Assoc Prof Paul Sowman
paul.sowman@mq.edu.au

Lecturer
Assoc Prof Anina Rich
anina.rich@mq.edu.au

Head Tutor and Lab Administrator
Solene Hameau
solene.hameau@mq.edu.au

Tutor
Marion Aitchison
marion.aitchison@mq.edu.au

Tutor
Lydia Barnes
lydia.barnes@mq.edu.au

Tutor
Chris Hewitson
christopher.hewitson@mq.edu.au

Tutor
Marion Kellenbach
marion.kellenbach@mq.edu.au

Tutor
Selene Petit
selene.petit@mq.edu.au

Mark Williams
mark.williams@mq.edu.au

David Kaplan
david.kaplan@mq.edu.au

Credit points 3
Prerequisites [Admission to BHumanSc or BAdvSc or BClinSc or BMedScs or BSpHLSc or BPsych(Hons) or BA or BSc or BPsych(Hons)LLB or BPsych(Hons)BHumanSc or BComBPsych(Hons) or BBABPsych(Hons) or BA-Psych or BA-PsychBHumanSc or BA-PsychBEd(Prim) or BA-PsychLLB or BALLB or BABSc or BBABA or BBABA-Psych or BE(Hons)BA or BABCom or BComBA-Psych or BSc-Psych or BScLLB or BActStudBSc or BComBSc or BE(Hons)BSc or BScGlobalCh or BA-PsychBSpHLSc or BABEd(Prim) or BABEd(Sec) or BPsych(Hons)BSpHLSc or BScBEd(Sec) or BSpHLScBHumanSc] or [12cp including COGS101]
Corequisites
Co-badged status
Unit description This unit 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, and the neural control of movement.

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:

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

Understand key terminology and basic principles of the cognitive and brain sciences.

Describe the core methods employed in the cognitive and brain sciences.

General Assessment Information

Late Penalty

Late submission of an assignment will attract a penalty of 5% of the maximum mark for every day that the assignment is late (including weekend days). For example, if the assignment is worth 40 marks and your assignment is submitted 2 days late, a penalty of 2x5%x40 = 4 marks will be applied and subtracted from the awarded mark for the assignment. Work submitted more than 14 days after the submission deadline will not be marked and will receive a mark of 0. Please note that it is the student's responsibility to notify the University of a disruption to their

studies and that requests for extensions for assignments must be made via the University's Ask MQ System (as outlined in the Disruption to Studies Policy).

Assessment Tasks

Name	Weighting	Hurdle	Due
Weekly Online Quizzes	10%	No	Weeks 1-11
Lab Reports	15%	No	Weeks 8, 10, 13
Mid-term Exam	25%	No	Week 7
Final Exam	50%	No	Session 1 examination period

Weekly Online Quizzes

Due: **Weeks 1-11**
Weighting: **10%**

Short multiple choice quizzes completed online each week prior to the tutorials and lecture (10 quizzes in total). Full points will be awarded for a quiz if at least 50% of the questions are answered correctly. If less than 50% of the questions are answered correctly, no points will be awarded for that quiz. No make-up quizzes are permitted; but the 2 lowest quizzes will be dropped without penalty. See "Delivery and Resources" section for additional information.

On successful completion you will be able to:
- Understand the basic structure and function of the central nervous system with an emphasis on the human brain.
- Understand key terminology and basic principles of the cognitive and brain sciences.
- Describe the core methods employed in the cognitive and brain sciences.

Lab Reports

Due: **Weeks 8, 10, 13**
Weighting: **15%**

3 short, highly structured reports describing the what, how, why of the experiment previously conducted in lab. Lab reports are designed to encourage critical thinking about experimental research in the cognitive and brain sciences; and improve skills in communicating scientific information in written form.

On successful completion you will be able to:
- Understand key terminology and basic principles of the cognitive and brain sciences.

- Describe the core methods employed in the cognitive and brain sciences.

Mid-term Exam

Due: **Week 7**
Weighting: **25%**

Mid-term exam consisting of multiple choice questions. Conducted in class.

On successful completion you will be able to:

- Understand the basic structure and function of the central nervous system with an emphasis on the human brain.
- Understand key terminology and basic principles of the cognitive and brain sciences.
- Describe the core methods employed in the cognitive and brain sciences.

Final Exam

Due: **Session 1 examination period**
Weighting: **50%**

Final exam consisting of multiple choice and short answer questions.

On successful completion you will be able to:

- Understand the basic structure and function of the central nervous system with an emphasis on the human brain.
- Understand key terminology and basic principles of the cognitive and brain sciences.
- Describe the core methods employed in the cognitive and brain sciences.

Delivery and Resources

Delivery

- Lectures are held weekly, starting in Week 1 on Wednesdays 8-10 AM in the Macquarie Lecture Theatre (W2.4A). Lecture recordings are available via Echo360 in iLearn.
- Tutorials are held weekly, starting in Week 1. Please check eStudent for the location of your tutorial.

Textbook

Purves D. et al. (Eds.) (2012) *NEUROSCIENCE, Fifth edition.* MA, USA: Sinauer Associates, Inc.

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. You are also required to submit two of the assessment tasks (commentary paper 1 and commentary paper 2) via iLearn, using the Turnitin submission tool. Please allow time to familiarise yourself with how to access iLearn and how to submit a Turnitin assignment.

Weekly online quizzes

This unit has weekly online quizzes designed to keep you on track during the fast paced semester (10 quizzes in total). Quizzes will graded on a Credit (C)/No Credit (NC) basis. To receive a Credit (C) grade 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 a No Credit (NC) for that quiz. No make-up quizzes will be permitted (with the exception of officially approved Disruption to Studies 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 tutorials and lecture. Each quiz will be open for the entire week prior to that week's lecture (from 11:59PM Sunday night to 11:59PM the following Sunday). Only quizzes completed during this time window will be recorded. You may take each quiz multiple times during this window. However, **only the first submitted attempt for each quiz will be counted.**

To access the online quizzes, you will need to set up your account here. First, enter your instructor's email address: mark.williams@mq.edu.au. Then, follow the step-by-step instructions to set up your account. **IMPORTANT: You must set up your account using your official student email address**. If you use a personal email address, your quiz scores cannot be recorded and you will **receive no credit**. Also, please write down/remember the password you set up for this account. If you happen to forget your account password, you can recover it here. Once your account is set up, you can access the online quizzes by logging in here.

Recommended resource on academic honesty

The learning skills team at Macquarie University has designed an Academic Integrity Module for you to enrol in to help you learn about:

- What "academic integrity" is and why it's important
- Acceptable and unacceptable academic behaviours at university
- What 'plagiarism' is and key strategies to avoid it
- Your responsibilities in relation to academic integrity and your rights under the Macquarie University Academic Honesty Policy.

Policies and Procedures

Macquarie University policies and procedures are accessible from Policy Central. Students should be aware of the following policies in particular with regard to Learning and Teaching:

Academic Honesty Policy http://mq.edu.au/policy/docs/academic_honesty/policy.html

Assessment Policy http://mq.edu.au/policy/docs/assessment/policy_2016.html

Grade Appeal Policy http://mq.edu.au/policy/docs/gradeappeal/policy.html

Complaint Management Procedure for Students and Members of the Public http://www.mq.edu.au/policy/docs/complaint_management/procedure.html

Disruption to Studies Policy (in effect until Dec 4th, 2017): http://www.mq.edu.au/policy/docs/disruption_studies/policy.html

Special Consideration Policy (in effect from Dec 4th, 2017): https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/special-consideration

In addition, a number of other policies can be found in the Learning and Teaching Category of 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/support/student_conduct/

Results

Results shown in *iLearn*, 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.

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 improve your marks and take control of your study.

- Workshops
- StudyWise
- Academic Integrity Module for Students
- Ask a Learning Adviser

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

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.

Graduate Capabilities

Discipline Specific Knowledge and Skills

Our graduates will take with them the intellectual development, depth and breadth of knowledge, scholarly understanding, and specific subject content in their chosen fields to make them competent and confident in their subject or profession. They will be able to demonstrate, where relevant, professional technical competence and meet professional standards. They will be able to articulate the structure of knowledge of their discipline, be able to adapt discipline-specific knowledge to novel situations, and be able to contribute from their discipline to inter-disciplinary solutions to problems.

This graduate capability is supported by:

Learning outcomes

- Understand the basic structure and function of the central nervous system with an emphasis on the human brain.
- Understand key terminology and basic principles of the cognitive and brain sciences.
- Describe the core methods employed in the cognitive and brain sciences.

Assessment tasks

- Weekly Online Quizzes
- Lab Reports
- Mid-term Exam
- Final Exam

Critical, Analytical and Integrative Thinking

We want our graduates to be capable of reasoning, questioning and analysing, and to integrate and synthesise learning and knowledge from a range of sources and environments; to be able to critique constraints, assumptions and limitations; to be able to think independently and systemically in relation to scholarly activity, in the workplace, and in the world. We want them to have a level of scientific and information technology literacy.

This graduate capability is supported by:

Learning outcomes

- Understand key terminology and basic principles of the cognitive and brain sciences.
- Describe the core methods employed in the cognitive and brain sciences.

Assessment tasks

- Lab Reports
- Final Exam

Problem Solving and Research Capability

Our graduates should be capable of researching; of analysing, and interpreting and assessing data and information in various forms; of drawing connections across fields of knowledge; and they should be able to relate their knowledge to complex situations at work or in the world, in order to diagnose and solve problems. We want them to have the confidence to take the initiative in doing so, within an awareness of their own limitations.

This graduate capability is supported by:

Learning outcomes

- Understand key terminology and basic principles of the cognitive and brain sciences.
- Describe the core methods employed in the cognitive and brain sciences.

Assessment task

- Lab Reports

Effective Communication

We want to develop in our students the ability to communicate and convey their views in forms effective with different audiences. We want our graduates to take with them the capability to read, listen, question, gather and evaluate information resources in a variety of formats, assess, write clearly, speak effectively, and to use visual communication and communication technologies as appropriate.

This graduate capability is supported by:

Assessment task

- Lab Reports

Frequently Asked Questions

Questions about the unit

Your tutor can answer most of the questions that you may have about the unit, including questions about the unit in general and specific questions about the tutorials. If you experience difficulty in this unit, you should approach you tutor first. You can get in touch with your tutor before or after your tutorial, via email, or via the dialogue tool on iLearn. Contact details for tutors can be found at the top of this unit guide. Please note that your tutor is your first point of contact for any of these questions. The unit convenor is to be contacted only when absolutely necessary, and is to be contacted during the specified contact hours or via email only.

Questions about uploading assignments via iLearn

You are required to submit your Lab Reports via iLearn, using the Turnitin submission tool. Please use the following step-to-step guide on how to submit a Turnitin assignment.

Requests for extensions, medical leave and/or disruption to studies

Please note that it is the student's responsibility to notify the University of a disruption to their studies. All requests for extensions, medical leave and/or disruption to studies should be made prior to the due date for the assignment, are to be made **directly** via the University's online Ask MQ system (as outlined in the Disruption to Studies Policy).

Requests for tutorial changes

Changes to tutorials need to be done online via eStudent only. After week 2, no further changes will be entertained unless supporting documentation about the reason for changing is provided and there is space in the tutorial you wish to enrol in. Please note that changes to tutorials cannot be made by the unit convenor or tutor.

Changes since First Published

Date	Description
31/03/2017	Staff information was incomplete in previous version.
01/03/2017	Staff information.