COGS2050

Reading in the Mind and Brain

Session 1, In person-scheduled-weekday, North Ryde 2022

School of Psychological Sciences

Contents

Disclaimer

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General Information

Unit convenor and teaching staff
Convenor
Lyndsey Nickels
lyndsey.nickels@mq.edu.au
Contact via By email
Mondays 1-2pm

Assistant Convenor
Lisi Beyersmann
lisi.beyersmann@mq.edu.au
Contact via By email

Lecturer
Anne Castles
anne.castles@mq.edu.au
Contact via By email

Tutor
Catherine Mason
catherine.mason@mq.edu.au
Contact via By email

Lecturer
Lili Yu
lili.yu@mq.edu.au
Contact via By email

Lecturer
Saskia Kohnen
saskia.kohnen@mq.edu.au
Contact via By email

Lecturer
Genevieve McArthur
genevieve.mcarthur@mq.edu.au
Contact via By email

Credit points
10

Prerequisites 60cp at 1000-level or above
Corequisites
Co-badged status

Unit description
Reading is critical for human cognition and communication, with impairments in reading leading to significant individual and societal costs. This unit will provide a detailed introduction to the science of reading, drawing on the critical mass of expertise in this field at Macquarie University. Topics covered will include theories and models of skilled reading, processes in learning to read, acquired and developmental dyslexia and their assessment and treatment, and neural markers of reading and dyslexia.

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: Demonstrate knowledge about cognitive theories of reading and reading development.

ULO2: Understand the bases of different types of dyslexia including both developmental and acquired impairments.

ULO3: Identify the neural markers associated with reading, reading development, and dyslexia.

ULO4: Critically evaluate the scientific evidence for assessing and treating different types of dyslexia.

ULO5: Display effective scientific communication in written form.

General Assessment Information

Academic Integrity statement: All COGS 2050 students are expected to adhere to the University's Academic Integrity Policy. If you are unsure about which activities count as violations of the policy, please read this comprehensive list of "unacceptable academic activities". All forms of cheating including "contract cheating" are strongly prohibited in COGS2050 and serious penalties will apply. It is expected that all students understand the University's Academic Integrity Policy and have completed the Academic Integrity Module. In addition, the following behaviours associated with contract cheating also violate the University's Academic Integrity Policy. In some cases, these behaviours might also be against the law.

- Uploading University-copyrighted teaching materials such as unit of study outlines, lecture slides and assignment questions to 'study notes' sharing websites.
- Selling University-copyrighted teaching materials to private tutoring or ghostwriting companies, or sharing these materials on social media platforms.
- Sharing or discussing information about the content of an exam (including exam questions and answers) with others including on social media platforms.

Late Submission Penalty: Late submissions will receive a 5% per day penalty including weekends and public holidays, unless an extension has been granted through special consideration. No late submissions will be accepted more than 5 days after the submission deadline, unless special consideration has been granted. No further submissions will be accepted after the marked assignments are returned and feedback is released to students. All extensions need to be formally requested in line with the special consideration policy. 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.

 Word count penalty: 5% of the possible mark will be deducted per 100 words over the word limit for the assessment task. An additional 99 words beyond the limit can be written without penalty.

Final exam: The final exam for this unit is currently scheduled to occur on Macquarie University campus. Students are expected to make themselves available for the final exam, at the date and time set by the University, in line with the Assessment Policy and Procedure.

Assessment Tasks

Name	Weighting	Hurdle	Due
Weekly online quizzes	15%	No	Weekly, one week after the Q&A session for that lecture
Tutorial activity sheet	15%	No	To be handed in at the end of each tutorial
Case analysis	30%	No	See ilearn
Final exam	40%	No	On campus, during the exam period

Weekly online quizzes

Assessment Type [1]: Quiz/Test
Indicative Time on Task [2]: 10 hours
Due: **Weekly, one week after the Q&A session for that lecture**
Weighting: **15%**

Short weekly online quizzes

On successful completion you will be able to:

- Demonstrate knowledge about cognitive theories of reading and reading development.
- Understand the bases of different types of dyslexia including both developmental and acquired impairments.
- Identify the neural markers associated with reading, reading development, and dyslexia.

Tutorial activity sheet

Assessment Type [1]: Participatory task
Indicative Time on Task [2]: 10 hours
Due: **To be handed in at the end of each tutorial**
Weighting: **15%**

Short and highly structured tutorial activity sheet to be completed and submitted after each tutorial. These will be marked on a credit/no-credit basis. Top 5 activities will be taken into account for this assessment task (1 tutorial activity may be missed (or awarded no-credit) without penalty).

On successful completion you will be able to:

- Demonstrate knowledge about cognitive theories of reading and reading development.
- Understand the bases of different types of dyslexia including both developmental and acquired impairments.
- Identify the neural markers associated with reading, reading development, and dyslexia.
- Critically evaluate the scientific evidence for assessing and treating different types of dyslexia.
- Display effective scientific communication in written form.

Case analysis

Assessment Type [1]: Report
Indicative Time on Task [2]: 30 hours
Due: **See ilearn**
Weighting: **30%**

Analysis of data from an individual with a reading impairment in relation to a theoretical model of reading.

On successful completion you will be able to:

- Demonstrate knowledge about cognitive theories of reading and reading development.
- Understand the bases of different types of dyslexia including both developmental and acquired impairments.
- Critically evaluate the scientific evidence for assessing and treating different types of dyslexia.
- Display effective scientific communication in written form.

Final exam

Assessment Type [1]: Examination
Indicative Time on Task [2]: 40 hours
Due: **On campus, during the exam period**
Weighting: **40%**

2-hour exam, combination of multiple-choice and short essay questions

On successful completion you will be able to:

- Demonstrate knowledge about cognitive theories of reading and reading development.
- Understand the bases of different types of dyslexia including both developmental and acquired impairments.
- Identify the neural markers associated with reading, reading development, and dyslexia.
- Critically evaluate the scientific evidence for assessing and treating different types of dyslexia.
- Display effective scientific communication in written form.

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[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

Lectures 2 hour weekly lectures will be delivered online and are pre-recorded lectures. Although students can watch the lecture at a time of their choosing, they should be watched prior to the Q&A sessions and within 1 week to ensure that the weekly quiz can be completed.

Weekly Q&A seminars

- A 1-hour Q&A session during which the unit convenor and/or that week's lecturer is available for questions and/or clarifications regarding that week's content.
- These sessions will also be used to convey essential information about the course.
- It is strongly recommended that you attend these weekly sessions to reinforce your learning.
- Please check the timetable for the scheduling of these sessions: https://timetables.mq.edu.au/2022/
- The lecture recordings and accompanying slides will be posted on ilearn under the relevant week at least 3 days prior to these Q&A sessions.
- Lecture recordings will be available through Echo360.

Tutorials

- Students are required to attend fortnightly (2 hour) tutorials on campus starting in Week 2 or Week 3 depending on your assigned tutorial.
- (Please check eStudent to see which tutorial you are enrolled in).
- Each tutorial will comprise activities that will reinforce and extend your learning and understanding of the topic and relevant skills. Completion of these activities will be required in the tutorial, and activity sheets should be handed in at the end of the tutorial for grading.
- Tutorial activities are assessed on a pass/fail basis and are (usually) due in or immediately after class. There are six tutorials and the grades from the best five will contribute to the overall unit grade. It will not be possible to complete these activities if you do not attend the relevant tutorial (unless a special consideration request is received within 5 days).

Weekly online quizzes

- This unit has weekly online multiple choice quizzes designed to keep you on track during the semester, these test knowledge and understanding of content of the lectures and associated required readings/activities.
- There are 12 quizzes in total testing material from each of Weeks 1 to Week 12. Quizzes will be graded. 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.

- Quizzes must be completed online each week after viewing the lecture, completing the required readings and attending the Q&A session. Each quiz will be open until 11.59pm Sunday night, the night before the next Q&A session. For example, the quiz for content of Lecture 3 will be open until 11.59pm Tuesday night before the Q&A session for Lecture 4. Only quizzes completed before this deadline will be recorded.

- 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.

- 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. 2. Read the information provided about what content 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. 7. Click "Finish review" to exit. Remember, you can attempt the quiz again by selecting "Reattempt quiz", but only your first attempt will count towards your grade.

Case Analysis

- The Case Analysis is an opportunity for the student to develop written communication skills and demonstrate understanding of concepts relating to skilled reading and its breakdown in dyslexia.

- Data will be provided from an individual with dyslexia and an analysis will be required of the pattern of impairment observed and their implications.

- The skills required to successfully complete this report will be taught in the lectures and practiced in a preceding tutorial.

- Word limit and word count penalty: Case analysis reports must be a maximum of 1,500 words. 5% of the possible mark will be deducted per 100 words over the word limit for the assessment task. An additional 99 words beyond the limit can be written without penalty.

- Late submission Late submissions will receive a 5% per day penalty including weekends and public holidays, unless an extension has been granted through special consideration. No late submissions will be accepted more than 5 days after the submission deadline, unless special consideration has been granted. No further submissions will be accepted after the marked assignments are returned and feedback is released to students.
- All extensions need to be formally requested in line with the special consideration policy.
- You are required to submit your Case Analysis Report via iLearn, using the Turnitin submission tool no later than the date advised on ilearn.

Final exam

- The final exam for this unit is currently scheduled to occur on Macquarie University campus. Students are expected to make themselves available for the final exam, at the date and time set by the University, in line with the Assessment Policy and Procedure.
- The final exam consists of multiple choice and short answer questions/activities covering lectures, required reading and tutorial content over the entire semester.
- The time and location for this exam will be timetabled centrally and announced later in the semester.
- You are expected to present yourself for examination at the time and place designated in the University Examination Timetable. The timetable will be available in Draft form approximately eight weeks before the commencement of the examinations and in Final form approximately four weeks before the commencement of the examinations (http://students.mq.edu.au/ student_admin/exams/).
- The only exception to sitting an examination at the designated time is because of documented illness or unavoidable disruption. In these circumstances you may wish to consider applying for special consideration due to disruption to studies. Information about unavoidable disruption and the special consideration process is available at: http://students.mq.edu.au/study/my-studyprogram/special-consideration
- If a Supplementary Examination is granted as a result of the Special Consideration process, the examination will be scheduled after the conclusion of the official examination period. The format of a supplementary examination is at the unit convenor's discretion and is subject to change from the original final examination. Supplementary Exams are only offered to students who have satisfactorily completed all other assessments for the unit and were unable to sit the final exam because of documented illness or unavoidable disruption. If a Supplementary Exam has been granted, it is the student's responsibility to ensure they sit the Supplementary Exam on the specified date.

- You are advised that it is Macquarie University policy not to set early examinations for individuals or groups of students. All students are expected to ensure that they are available until the end of the teaching semester, which is the final day of the official examination period.

Unit Schedule

NOTE: This is a provisional schedule that may be subject to change, please consult ilearn for the current schedule.

Week number	Q&A session Lecture Topic (Quiz closes 1 week later)
1	Introduction to COGS 2050
2	Learning to read I
3	Learning to read II
4	Skilled reading I
5	Skilled reading II
6	Acquired dyslexia I
7	Acquired Dyslexia II
	SEMESTER BREAK
8	Anzac day holiday
9	Developmental Dyslexia I & II
10	Intervention I
11	Intervention II
12	Neural Markers I
13	Neural Markers II & Exam Q&A

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
- Assessment Procedure
- Complaints Resolution 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

Academic Integrity

At Macquarie, we believe academic integrity – honesty, respect, trust, responsibility, fairness and courage – is at the core of learning, teaching and research. We recognise that meeting the expectations required to complete your assessments can be challenging. So, we offer you a range of resources and services to help you reach your potential, including free online writing and maths support, academic skills development and wellbeing consultations.

Student Support

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

The Writing Centre

The Writing Centre provides resources to develop your English language proficiency, academic writing, and communication skills.

- Workshops
- Chat with a WriteWISE peer writing leader

- Access StudyWISE
- Upload an assignment to Studiosity
- Complete the 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

Macquarie University offers a range of Student Support Services including:

- IT Support
- Accessibility and disability support with study
- Mental health support
- Safety support to respond to bullying, harassment, sexual harassment and sexual assault
- Social support including information about finances, tenancy and legal issues

Student Enquiries

Got a question? Ask us via AskMQ, or contact Service Connect.

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.

Frequently asked 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. Tutor contact details can be found at the top of this unit guide and on ilearn.

- 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.

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 via the University's online Ask MQ system (as outlined in the Special Considerations 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.

Do I need to look at iLearn? (short answer: Yes!) You should check the iLearn web site at regular intervals for announcements, online quizzes, lecture slides, and other supplementary learning materials. It also features a discussion board on which you may converse with other students about course material, or any other legitimate business related to COGS2050. The iLearn site also has the Active Learning Platform activities for links to Echo360, which will have the lecture recordings. The feedback and marks for the assessment tasks are also delivered via iLearn. It is recommended that you visit this site regularly and make full use of the facilities.

What does it take to do well in COGS2050? You are expected to pay close attention to all lectures and to take notes to aid your retention of the material. Review of the material (individually, or in group sessions) in your own time will be essential to consolidate knowledge and enhance understanding. Required reading should be completed before completing the relevant online quizzes, and the next lecture. The online quizzes are designed to help you keep up with this reading and the lectures. These online quizzes offer the chance to answer questions while using resources such as the lecture slides and readings. This open book format is unlike formal examinations, and offers an opportunity for grade enhancement that should not be missed. You also need to attend and engage with the tutorials, completing all the activities and making the most of the opportunities to develop research skills and consolidate understanding of the lecture and tutorial content. Some of the tutorial activities give direct practice of assessment tasks such as the research report and parts of the final exam. Assessment will be based on the successful understanding of material from lectures, tutorials and from the required reading. Watching the lectures or reviewing lecture slides alone will not be sufficient. Please note that rote learning alone is unlikely to be a successful strategy, as the assessments will test for deeper appreciation of the course material in a variety of formats. Simply remembering the "facts" will not suffice. You need to demonstrate your understanding of the principles, and demonstrate the ability to apply such understanding in new contexts.

What material is examinable? The final exam will be cumulative, covering content from the lectures, required readings and tutorials from the whole course. The additional information in the supplementary reading is not directly examined but is likely to deepen and support your understanding of key concepts described in the lectures.

How do I upload my assignment via iLearn? You are required to submit your Case Analysis Report via iLearn, using the Turnitin submission tool. Please use the following step-to-step guide on how to submit a Turnitin assignment.

Statement on Academic Courtesy

It is the right of each student to learn in an environment that is free of disruption and distraction. Please arrive to all classes on time, and if you are unavoidably detained, please enter the lecture theatre or tutorial as quietly as possible to minimise disruption, using a back entrance if possible.

Although some lectures/tutorials will have discussion sections or questions during lectures, talking between students while the lecturer is talking is disruptive and is strongly discouraged.

Phones, pagers, and other electronic devices that produce noise and other distractions must be turned off prior to entering class. Where your own device (e.g., laptop) is being used for class-related activities (e.g. taking notes), you are asked to close down all other applications to avoid distraction to you and others.

COGS2050 focuses on reading and its disorders. We therefore will be discussing individuals with reading and spelling disorders, either from childhood or as a result of brain damage. Please be respectful in such discussions.

COGS2050 also involves data collection from other students. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let your tutor know.

Statement on Social Inclusion and Diversity

Social inclusion at Macquarie University is about giving everyone who has the potential to benefit from higher education the opportunity to study at university, participate in campus life and flourish in their chosen field. The University has made significant moves to promote an equitable, diverse and exciting campus community for the benefit of staff and students. It is your responsibility to contribute towards the development of an inclusive culture and practice in the areas of learning and teaching, research, and service orientation and delivery. As a member of the Macquarie University community, you must not discriminate against or harass others on the basis of their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All lecturers, tutors and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone. The Unit Convenor is an active supporter of equity and diversity at Macquarie University, including being a member of the Ally network, and is happy to provide additional support if needed.