



# COGS2050

## Reading in the Mind and Brain

Session 1, In person-scheduled-weekday, North Ryde 2023

*School of Psychological Sciences*

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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.

## General Information

Unit convenor and teaching staff

Convenor

Lisi Beyersmann

[lisi.beyersmann@mq.edu.au](mailto:lisi.beyersmann@mq.edu.au)

Tutor

Catherine Mason

[catherine.mason@mq.edu.au](mailto:catherine.mason@mq.edu.au)

Lecturer

Anne Castles

[anne.castles@mq.edu.au](mailto:anne.castles@mq.edu.au)

Lecturer

Lili Yu

[lili.yu@mq.edu.au](mailto:lili.yu@mq.edu.au)

Lecturer

Saskia Kohnen

[saskia.kohnen@mq.edu.au](mailto:saskia.kohnen@mq.edu.au)

Lecturer

Genevieve McArthur

[genevieve.mcarthur@mq.edu.au](mailto:genevieve.mcarthur@mq.edu.au)

Lecturer

Lyndsey Nickels

[lyndsey.nickels@mq.edu.au](mailto:lyndsey.nickels@mq.edu.au)

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

Grade descriptors and other information concerning grading are contained in the [Macquarie University Assessment Policy](#).

All final grades are determined by a grading committee, in accordance with the Macquarie University Assessment Policy, and are not the sole responsibility of the Unit Convenor.

Students will be awarded a final grade and a mark which must correspond to the grade descriptors specified in the [Assessment Procedure](#) (clause 128).

To pass this unit, you must demonstrate sufficient evidence of achievement of the learning outcomes, meet any ungraded requirements, and achieve a final mark of 50 or better.

Further details for each assessment task will be available on iLearn.

## 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 Submissions

Unless a Special Consideration request has been submitted and approved, a 5% penalty (OF THE TOTAL POSSIBLE MARK) will be applied each day a written assessment is not submitted, up until the 7th day (including weekends). After the 7th day, a grade of '0' will be awarded even if the assessment is submitted. Submission time for all written assessments is set at 11.55pm. A 1-hour grace period is provided to students who experience a technical concern.

For example:

| Number of days (hours) late | Total Possible Marks | Deduction | Raw mark | Final mark |
|-----------------------------|----------------------|-----------|----------|------------|
| 1 day (1-24 hours)          | 100                  | 5         | 75       | 70         |
| 2 days (24-48 hours)        | 100                  | 10        | 75       | 65         |
| 3 days (48-72 hours)        | 100                  | 15        | 75       | 60         |
| 7 days (144-168 hours)      | 100                  | 35        | 75       | 40         |
| >7 days (>168 hours)        | 100                  | -         | 75       | 0          |

For any late submissions of time-sensitive tasks, such as scheduled tests/exams, performance assessments/presentations, and/or scheduled practical assessments/labs, students need to submit an application for Special Consideration.

## 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   |
|---|-----------|--------|---|
| <a href="#">Weekly online quizzes</a>   | 15%       | No     | Weekly, one week after the Q&A session for that lecture |
| <a href="#">Tutorial activity sheet</a> | 15%       | No     | To be handed in at the end of each tutorial             |
| <a href="#">Case analysis</a>           | 30%       | No     | See ilearn  |
| <a href="#">Final exam</a>              | 40%       | No     | On campus, during the exam period                       |

### Weekly online quizzes

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

Indicative Time on Task <sup>2</sup>: 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 <sup>1</sup>: Participatory task

Indicative Time on Task <sup>2</sup>: 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 <sup>1</sup>: Report

Indicative Time on Task <sup>2</sup>: 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 <sup>1</sup>: Examination

Indicative Time on Task <sup>2</sup>: 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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<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 [Writing Centre](#) 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

As a student enrolled in this unit, you will engage in a range of online and face-to-face learning activities, including readings, lectures, weekly Q&A seminars, online quizzes, and face-to-face tutorials.

### Online 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 Zoom Seminars

- A 1-hour Q&A session during which the unit convenor and/or that week's lecturer is available for questions regarding that week's content.
- These sessions will also be used to convey essential information about the course.
- It is strongly recommended to attend these weekly sessions to reinforce learning.
- Please check the timetable for the scheduling of these sessions:

<https://timetables.mq.edu.au/2023/>

- 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.

### **Face-to-Face 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 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/](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.

Active participation in the learning activities throughout the unit will require students to have access to a tablet, laptop or similar device. Students who do not own their own laptop computer

may borrow one from the university library.

More details can be found on the iLearn site for this unit.

## 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           | Developmental Dyslexia I                             |
| 9           | Developmental Dyslexia 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 \(https://policies.mq.edu.au\)](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) (<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](https://ask.mq.edu.au) or if you are a Global MBA student contact [globalmba.support@mq.edu.au](mailto: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 Advocacy](#) provides independent advice on MQ policies, procedures, and processes

## 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/](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.

## 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 based on their sex, gender, race, marital status, carers' responsibilities, disability, sexual orientation, age, political conviction or religious belief. All staff and students are expected to display appropriate behaviour that is conducive to a healthy learning environment for everyone.

## Professionalism

In the Faculty of Medicine, Health and Human 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 clinical, practical, laboratory, work-integrated learning (e.g., PACE placements), and team-based learning activities. Some learning activities are recorded (e.g., face-to-face lectures), however you are encouraged to avoid relying upon such material as they do not recreate the whole learning experience and technical issues can and do occur. As an adult learner, we respect your decision to choose how you engage with your learning, but we would remind you that the learning opportunities we create for you have been done so to enable your success, and that by not engaging you may impact your ability to successfully complete this unit. We equally expect that you show respect for the academic staff who have worked hard to develop meaningful activities and prioritise your learning by communicating with them in advance if you are unable to attend a small group interactive session.

Another dimension of professionalism is having respect for your peers. It is the right of every student to learn in an environment that is free of disruption and distraction. Please arrive to all learning activities on time, and if you are unavoidably detained, please join activity as quietly as possible to minimise disruption. Phones 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, you are asked to close down all other applications to avoid distraction to you and others. Please treat your fellow students with the utmost respect. If you are uncomfortable participating in any specific activity, please let the relevant academic know.

## Changes since First Published

| Date       | Description               |
|------------|---------------------------|
| 19/02/2023 | Slight formatting changes |