



CAUD802

Adult Hearing Assessment

S1 Day 2018

Dept of Linguistics

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General Information

Unit convenor and teaching staff

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Convener

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Contact via 9850 2900

Macquarie University Speech and Hearing Clinic

Monday 10.30am-2pm

Andrew Myles

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Credit points

4

Prerequisites

Admission to MCLinAudiology

Corequisites

CAUD803 and CAUD804 and CAUD819

Co-badged status

Unit description

This unit will: - provide an understanding of the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts; - equip students with skills required to perform standard audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance; and - facilitate the development of problem-solving and clinical integration skills for interpretation of audiological information, appropriate clinical decision making and referral.

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:

Students will be able to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts.

Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.

Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

General Assessment Information

NOTE: Due weeks are based on standard university academic calendar weeks.

How to apply for a late submission of an assignment

All requests for special consideration, including extensions, must be submitted via [ASK.mq.edu.au](https://ask.mq.edu.au) and provide suitable supporting documentation

Late Assignment Submission

- Late submissions without an extension will receive a penalty of 5% of the total mark available for the assignment per day
- Late submission of an assignment without an extension will not be permitted after marks have been released to the rest of the class.
- Extensions will only be given in special circumstances, and can be requested by completing the Special Consideration request at ask.mq.edu.au and providing the requisite supporting documentation.
- For more information on Special Consideration, see the university website <https://students.mq.edu.au/study/my-study-program/special-consideration>
- Assignments submitted after the deadline, regardless of the reason, will be marked and returned at a date determined by the unit convenor.
- Extensions cannot continue beyond the start of the following semester, and students should be aware that long extensions may impact graduation dates.

REFERENCES or BIBLIOGRAPHY for your assignments

Please visit the website: <http://libguides.mq.edu.au/content.php?pid=459099&sid=3759394> to follow the referencing style for the assignments.

We recommend that you use APA style for all your essays.

Assessment Tasks

Name	Weighting	Hurdle	Due
<u>Quiz</u>	20%	No	week 6
<u>Clinical-based exercise</u>	20%	No	week 8
<u>Clinical-based exercise</u>	20%	No	week 10
<u>Exam</u>	40%	No	Examination period

Quiz

Due: **week 6**

Weighting: **20%**

The aim of the quiz is to assess your understanding of various aspects of psychoacoustics such as loudness, pitch, hearing and principles underlying masking.

Key references:

Moore, Brian CJ, and Brian C. Moore. *An introduction to the psychology of hearing*. Vol. 5. San Diego: Academic press, 2003.

Moore, Brian CJ, ed. *Hearing*. Academic Press, 1995.

Yost, William A., and Robert S. Schlauch. "Fundamentals of hearing: an introduction." *The Journal of the Acoustical Society of America* 110.4 (2001): 1713-1714.

On successful completion you will be able to:

- Students will be able to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts.

Clinical-based exercise

Due: **week 8**

Weighting: **20%**

This essay aims to assess your understanding of the principles underlying audiological assessment. The details of the essay will be provided to you at the beginning of the semester. It will be assessed according to the assessment criteria outlined.

On successful completion you will be able to:

- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.
- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Clinical-based exercise

Due: **week 10**

Weighting: **20%**

This essay aims to assess your understanding of the principles underlying audiological assessment. The details of the essay will be provided to you at the beginning of the semester. It will be assessed according to the assessment criteria outlined.

On successful completion you will be able to:

- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.
- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Exam

Due: **Examination period**

Weighting: **40%**

The aim of the exam is to integrate the theory learned in this unit with clinical cases. This exam will be 3 hours in duration.

On successful completion you will be able to:

- Students will be able to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts.
- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical

application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.

- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Delivery and Resources

There is a mix of online, face to face and practica components in this unit.

Policies and Procedures

Macquarie University policies and procedures are accessible from [Policy Central \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](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 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](#) (**Note:** *The Special Consideration Policy is effective from 4 December 2017 and replaces the Disruption to Studies Policy.*)

Undergraduate students seeking more policy resources can visit the [Student Policy Gateway \(https://students.mq.edu.au/support/study/student-policy-gateway\)](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 \(https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policy-central\)](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/study/getting-started/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

PG - Capable of Professional and Personal Judgment and Initiative

Our postgraduates will demonstrate a high standard of discernment and common sense in their professional and personal judgment. They will have the ability to make informed choices and decisions that reflect both the nature of their professional work and their personal perspectives.

This graduate capability is supported by:

Learning outcomes

- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult

population is also discussed.

- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Assessment tasks

- Clinical-based exercise
- Clinical-based exercise
- Exam

PG - Discipline Knowledge and Skills

Our postgraduates will be able to demonstrate a significantly enhanced depth and breadth of knowledge, scholarly understanding, and specific subject content knowledge in their chosen fields.

This graduate capability is supported by:

Learning outcomes

- Students will be able to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts.
- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.
- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Assessment tasks

- Quiz
- Clinical-based exercise
- Clinical-based exercise
- Exam

PG - Critical, Analytical and Integrative Thinking

Our postgraduates will be capable of utilising and reflecting on prior knowledge and experience, of applying higher level critical thinking skills, and of integrating and synthesising learning and knowledge from a range of sources and environments. A characteristic of this form of thinking is the generation of new, professionally oriented knowledge through personal or group-based critique of practice and theory.

This graduate capability is supported by:

Learning outcomes

- Students will be able to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts.
- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.
- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Assessment tasks

- Quiz
- Clinical-based exercise
- Clinical-based exercise
- Exam

PG - Research and Problem Solving Capability

Our postgraduates will be capable of systematic enquiry; able to use research skills to create new knowledge that can be applied to real world issues, or contribute to a field of study or practice to enhance society. They will be capable of creative questioning, problem finding and problem solving.

This graduate capability is supported by:

Learning outcomes

- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.
- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Assessment tasks

- Quiz
- Clinical-based exercise
- Clinical-based exercise

- Exam

PG - Effective Communication

Our postgraduates will be able to communicate effectively and convey their views to different social, cultural, and professional audiences. They will be able to use a variety of technologically supported media to communicate with empathy using a range of written, spoken or visual formats.

This graduate capability is supported by:

Learning outcomes

- Students will be able to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts.
- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.
- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Assessment tasks

- Clinical-based exercise
- Clinical-based exercise
- Exam

PG - Engaged and Responsible, Active and Ethical Citizens

Our postgraduates will be ethically aware and capable of confident transformative action in relation to their professional responsibilities and the wider community. They will have a sense of connectedness with others and country and have a sense of mutual obligation. They will be able to appreciate the impact of their professional roles for social justice and inclusion related to national and global issues

This graduate capability is supported by:

Learning outcomes

- Students will be equipped with the skills required to perform basic audiometric assessments of adults and older children, including otoscopy, pure tone audiometry, speech discrimination testing, clinical masking, and acoustic immittance. The clinical application of speech recognition testing and acoustic immittance testing in an adult population is also discussed.

- Students will be able to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information.

Changes since First Published

Date	Description
16/02/2018	Change of staff convening
30/01/2018	due dates
30/01/2018	simplification