General Information

Unit convenor and teaching staff
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Convener
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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://students.mq.edu.au/important-dates
Learning Outcomes

1. to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts
2. to demonstrate the skills required to perform basic audiometric assessments of non-complex adults and older children, including otoscopy, pure tone audiometry, speech recognition testing, clinical masking, and acoustic immittance
3. to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information

Assessment Tasks

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<td>Clinical Case</td>
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Quiz

Due: **1st April, 2015**
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

**Due Date:** Wednesday 1st April, 2:00pm, 2015

Key references:


This Assessment Task relates to the following Learning Outcomes:

- to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts
Clinical Case
Due: 4th May, 2015
Weighting: 20%

This essay aims to assess your understanding of the principles underlying audiological assessment. It will be assessed according to the assessment criteria outlined in this handbook.

"Discuss the principles of clinical masking and how this is used in audiological practice. In particular, discuss how this might be applied to the clinical cases provided."

Format: No more than 2000 words, font size 12.
Due Date: Monday 4th May, 9:00am, 2015

Key references:

This Assessment Task relates to the following Learning Outcomes:
• to demonstrate the skills required to perform basic audiometric assessments of non-complex adults and older children, including otoscopy, pure tone audiometry, speech recognition testing, clinical masking, and acoustic immittance
• to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information

Clinical based exercise
Due: 25th May, 2015
Weighting: 20%

This essay aims to assess your understanding of the principles underlying audiological assessment. It will be assessed according to the assessment criteria outlined in this handbook.

"Discuss the principles and theories of bone conduction and how this is used in audiological practice and how bone conduction testing differs from air conduction. In particular, discuss how this might be applied to the clinical cases such as ossicular discontinuity (bilateral) and Semicircular canal dehiscence (right sided)."
This Assessment Task relates to the following Learning Outcomes:

- to demonstrate the skills required to perform basic audiometric assessments of non-complex adults and older children, including otoscopy, pure tone audiometry, speech recognition testing, clinical masking, and acoustic immittance
- to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information

Examination

Due: week 24
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 and the dates, times and venue will be announced at a later date.

This Assessment Task relates to the following Learning Outcomes:

- to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts
- to demonstrate the skills required to perform basic audiometric assessments of non-complex adults and older children, including otoscopy, pure tone audiometry, speech recognition testing, clinical masking, and acoustic immittance
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Delivery and Resources

Technology

Work will require basic general computer skills. This is one of the fundamental units that you need to know well. There are a number of practica that will prepare you to use the technology needed in the unit and program

Lecture and Tutorial

See timetable. Mostly on Monday afternoons and wedn morning. The racs are on tuesday and
fridays. Lectures will be recorded.

Information
iLearn will predominantly be used for communication, provision of lecture materials and discussion.

Changes since last offering of this unit
NA

Other material
Suggested textbook:

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
Disruption to Studies Policy http://www.mq.edu.au/policy/docs/disruption_studies/policy.html The Disruption to Studies Policy is effective from March 3 2014 and replaces the Special Consideration Policy.

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 Enquiry Service

For all student enquiries, visit Student Connect at ask.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://informatics.mq.edu.au/help/

When using the University’s IT, you must adhere to the Acceptable Use Policy. The policy applies to all who connect to the MQ network including students.

Graduate Capabilities

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

- to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts
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Assessment tasks

- Quiz
- Clinical Case
- Clinical based exercise
- Examination

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

- to demonstrate the skills required to perform basic audiometric assessments of non-complex adults and older children, including otoscopy, pure tone audiometry, speech recognition testing, clinical masking, and acoustic immittance
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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 outcome

- to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information
Assessment tasks

- Clinical Case
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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

- to explain the theoretical framework of psychoacoustics underlying hearing threshold, hearing loss and related audiometric concepts
- to apply problem-solving strategies to make clinical decisions and to integrate and interpret audiological information

Assessment tasks

- Clinical Case
- Clinical based exercise
- Examination