CAUD803

Theoretical Bases of Audiology

S1 Day 2018

Dept of Linguistics

Contents

General Information 2

Learning Outcomes 2

General Assessment Information 3

Assessment Tasks 3

Delivery and Resources 5

Policies and Procedures 5

Graduate Capabilities 6

Changes since First Published 8

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
Cath McMahon
cath.mcmahon@mq.edu.au

Lecturer
Jorg Buchholz
jorg.buchholz@mq.edu.au

Phillip Nakad
phillip.nakad@mq.edu.au

Credit points
4

Prerequisites
Admission to MClinAudiology

Corequisites
CAUD802 and CAUD804 and CAUD819

Co-badged status

Unit description
This unit will: - equip students with the theoretical concepts underpinning audiological assessment techniques and aural rehabilitation strategies. This includes an in-depth review of the anatomy and physiology of the auditory system; - provide core acoustic concepts including the nature of sound and the principles of sound transmission and room acoustics and discuss how these apply to audiometric test environments and equipment calibration; and - facilitate the development of problem-solving and clinical reasoning skills, particularly when audiometric information appears inconsistent.

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:

to develop an understanding of the auditory system and how it functions and the need for binaural hearing

to develop an understanding of common disorders of the auditory system and the underlying pathophysiology

to develop an understanding of acoustics, sound transmission and instrument calibration

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 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.

Assessment Tasks

Name	Weighting	Hurdle	Due
Anatomy & Physiology Quiz	15%	No	week 3
Acoustics Quiz	15%	No	week 6
Case-based Assessment:	30%	No	week 11
Exam	40%	No	Exam period

Anatomy & Physiology Quiz

Due: **week 3**
Weighting: **15%**

This exercise aims to integrate and apply the knowledge of auditory anatomy and physiology that you have acquired.

On successful completion you will be able to:

- to develop an understanding of the auditory system and how it functions and the need for binaural hearing

Acoustics Quiz

Due: **week 6**
Weighting: **15%**

This exercise aims to integrate and apply the knowledge of acoustics that you have acquired.

On successful completion you will be able to:

- to develop an understanding of acoustics, sound transmission and instrument calibration

Case-based Assessment:

Due: **week 11**
Weighting: **30%**

This case-based assignment aims to evaluate your understanding of a specific auditory disorder and classroom acoustics in your application to a clinical case.

On successful completion you will be able to:

- to develop an understanding of the auditory system and how it functions and the need for binaural hearing
- to develop an understanding of acoustics, sound transmission and instrument calibration

Exam

Due: **Exam period**
Weighting: **40%**

The aim is to integrate and apply the theory learned in this unit. To be announced. The examination will be scheduled within the University's mid-year examination period. This exam will be 3 hours in duration.

On successful completion you will be able to:

- to develop an understanding of the auditory system and how it functions and the need for binaural hearing
- to develop an understanding of common disorders of the auditory system and the underlying pathophysiology
- to develop an understanding of acoustics, sound transmission and instrument calibration

Delivery and Resources

This unit is a blended unit and includes both online and face-to-face delivery.

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). 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). 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).

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 - 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 develop an understanding of the auditory system and how it functions and the need for binaural hearing
- to develop an understanding of common disorders of the auditory system and the underlying pathophysiology
- to develop an understanding of acoustics, sound transmission and instrument calibration

Assessment tasks

- Anatomy & Physiology Quiz
- Acoustics Quiz
- Case-based Assessment:
- 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

- to develop an understanding of the auditory system and how it functions and the need for binaural hearing
- to develop an understanding of common disorders of the auditory system and the underlying pathophysiology

Assessment tasks

- Anatomy & Physiology Quiz
- Case-based Assessment:
- 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

- to develop an understanding of the auditory system and how it functions and the need for binaural hearing
- to develop an understanding of acoustics, sound transmission and instrument calibration

Assessment tasks

- Anatomy & Physiology Quiz

- Acoustics Quiz
- Case-based Assessment:
- Exam

Changes since First Published

Date	Description
30/01/2018	due dates