



SPED931

Introduction to Educational Audiology

S1 Online 2019

Department of Educational Studies

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General Information

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Credit points

4

Prerequisites

Admission to MDisabilityStud

Corequisites

Co-badged status

Unit description

This unit aims to provide teachers of the deaf with a broad overview of auditory development and audiological practice. Students will be introduced to the anatomy and physiology of hearing as a basis for understanding the mechanisms underlying auditory perception. The causes and implications of various types of hearing loss will be examined. Procedures and testing techniques will also be explored. Topics covered in this area will include screening, behavioural assessment, objective assessment, and evoked potential testing techniques. Students will develop an understanding of clinical reports and audiograms. Hearing aids, implantable devices, and other assistive listening devices are reviewed and students will learn skills in troubleshooting and monitoring such devices.

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:

Discuss foundational audiology terminology and constructs with parents of children with hearing loss

Explain the delivery of audiology services for children and students with hearing loss

Identify and describe audiological screening and assessment procedures

Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting

Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

General Assessment Information

Assessment Presentation and Submission Guidelines

Please follow these guidelines when you submit each assignment:

- Allow a left and right-hand margin of at least 2cm in all assignments.
- Please type all assignments using 12-point font and 1.5 spacing.
- All assessments must be submitted through Turnitin in .doc format
- It is the responsibility of the student to ensure that all assessments are successfully submitted through Turnitin.

Draft Submissions & Turnitin Originality Reports

- Students may use Turnitin's Originality Report as a learning tool to improve their academic writing if this option is made available in the unit.
- Students are strongly encouraged to upload a draft copy of each assessment to Turnitin at least one week prior to the due date to obtain an Originality Report.
- The Originality Report provides students with a similarity index that may indicate if plagiarism has occurred. Students will be able to make amendments to their drafts prior to their final submission on the due date.
- Generally, one Originality Report is generated every 24 hours up to the due date.

Please note:

- Students should regularly save a copy of all assignments before submission
- Students are responsible for checking that their submission has been successful and has been submitted by the due date and time.

Assignment extensions and late penalties

- In general, there should be no need for extensions except through illness or

misadventure that would be categorised as serious and unavoidable disruption according to the University definition of same, see: <https://students.mq.edu.au/study/my-study-program/special-consideration>

- Applications for extensions must be made via AskMQ according to the Special Consideration policy. Extensions can only be granted if they meet the Special Considerations policy and are submitted via <https://ask.mq.edu.au/>. This will ensure consistency in the consideration of such requests is maintained.
- Late submissions without extension will receive a penalty of 5% reduction of the total possible mark for each day late (including weekends and public holidays). You are reminded that submitting even just 1 day late could be the difference between passing and failing a unit. Late penalties are applied by unit convenors or their delegates after tasks are assessed.
- No assessable work will be accepted after the return/release of marked work on the same topic. If a student is still permitted to submit on the basis of unavoidable disruption, an alternative topic may be set.
- Students should keep an electronic file of all assessments. Claims regarding "lost" assessments cannot be made if the file cannot be produced. It is also advisable to keep an electronic file of all drafts and the final submission on a USB untouched/unopened after submission. This can be used to demonstrate easily that the assessment has not been amended after the submission date.

Requesting a re-assessment of an assignment

If you have **evidence** that your task has been incorrectly assessed against the grade descriptors you can request a re-mark. To request a re-mark you need to contact the unit convenor within **7 days** of the date of return of the assignment and provide **a detailed assessment of your script against the task criteria**. Evidence from your assignment must be provided to support your judgements.

Note: Failed assessments cannot be re-marked as they are all double-marked as a part of the moderation process.

Please note: The outcome of a re-mark may be a **higher/lower or unchanged grade**. Grades are *standards referenced* and effort is NOT a criterion.

Units with Quiz Assessments

Online quizzes are an individual assessment task and **MUST BE COMPLETED by each student individually**. Similarities in responses between students will be checked and investigated for possible collusion. Please see the Academic Honesty Handbook for more

information.

University policy on grading

Criteria for awarding grades for assessment tasks

Assignments will be awarded grades ranging from HD to F according to guidelines set out in the University's Grading Policy. The following descriptive criteria are included for your information.

Descriptive Criteria for awarding grades in the unit

In order to meet the unit outcomes and successfully pass this unit, students must make a genuine attempt at all assessment tasks. Where any submitted assessment task is considered to be unsatisfactory in this regard, the highest possible final grade that can be awarded for the unit will be 45.

Students will be awarded grades ranging from HD to F according to guidelines set out in the policy: <https://staff.mq.edu.au/work/strategy-planning-and-governance/university-policies-and-procedures/policies/assessment-in-effect-from-session-2-2016>

The following generic grade descriptors provide university-wide standards for awarding final grades.

Grade	Descriptor
HD (High Distinction)	Provides consistent evidence of deep and critical understanding in relation to the learning outcomes. There is substantial originality and insight in identifying, generating and communicating competing arguments, perspectives or problem solving approaches; critical evaluation of problems, their solutions and their implications; creativity in application as appropriate to the discipline.
D (Distinction)	Provides evidence of integration and evaluation of critical ideas, principles and theories, distinctive insight and ability in applying relevant skills and concepts in relation to learning outcomes. There is demonstration of frequent originality in defining and analysing issues or problems and providing solutions; and the use of means of communication appropriate to the discipline and the audience.
Cr (Credit)	Provides evidence of learning that goes beyond replication of content knowledge or skills relevant to the learning outcomes. There is demonstration of substantial understanding of fundamental concepts in the field of study and the ability to apply these concepts in a variety of contexts; convincing argumentation with appropriate coherent justification; communication of ideas fluently and clearly in terms of the conventions of the discipline.
P (Pass).	Provides sufficient evidence of the achievement of learning outcomes. There is demonstration of understanding and application of fundamental concepts of the field of study; routine argumentation with acceptable justification; communication of information and ideas adequately in terms of the conventions of the discipline. The learning attainment is considered satisfactory or adequate or competent or capable in relation to the specified outcomes
F (Fail)	Does not provide evidence of attainment of learning outcomes. There is missing or partial or superficial or faulty understanding and application of the fundamental concepts in the field of study; missing, undeveloped, inappropriate or confusing argumentation; incomplete, confusing or lacking communication of ideas in ways that give little attention to the conventions of the discipline.

Note: If you fail a unit with a professional experience component the fail grade will be on your transcript irrespective of the timing of the placement.

Assessment Tasks

Name	Weighting	Hurdle	Due
Online quiz	30%	No	Week 5
Clinical observation & report	30%	No	Week 8
Case Study	40%	No	Week 12

Online quiz

Due: **Week 5**

Weighting: **30%**

The quiz link will appear on iLearn at 12.01am, Monday 25 March 2019. Students must have completed, saved and submitted the quiz via iLearn by 11.59pm, Sunday 31 March, 2019.

30 items, some MC, T/F, fill in blank, short answer

On successful completion you will be able to:

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Identify and describe audiological screening and assessment procedures

Clinical observation & report

Due: **Week 8**

Weighting: **30%**

Video observation of clinical practice and a written report of observation.

1500 words total ($\pm 10\%$)

A marking rubric will be supplied prior to assignment submission.

Submit your assignment to Turnitin via the iLearn submission point before 5pm, Friday 3 May, 2019 (Week 8).

On successful completion you will be able to:

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Explain the delivery of audiology services for children and students with hearing loss
- Identify and describe audiological screening and assessment procedures

Case Study

Due: **Week 12**

Weighting: **40%**

Students will be provided with a scenario.

2000 words ($\pm 10\%$).

A marking rubric will be supplied prior to assignment submission.

Submit your assignment to via iLearn before 5pm, Friday 30 May, 2019 (Week 12).

On successful completion you will be able to:

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Explain the delivery of audiology services for children and students with hearing loss
- Identify and describe audiological screening and assessment procedures
- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Delivery and Resources

All content will be delivered online via iLearn on a weekly basis.

Unit Schedule

Module 1: Fundamentals of hearing and hearing loss –

Topic 1: Auditory form and function: Anatomy and physiology of the hearing mechanism and the development of audition.

Topic 2: The nature of sound.

Topic 3: Defining and classifying hearing and hearing loss.

Topic 4: Incidence and prevalence of hearing loss in children.

Module 2: Clinical and diagnostic aspects of hearing and hearing loss –

Topic 5: Common pathologies of the auditory system.

Topic 6: The principles of audiological assessment for infants and children.

Topic 7: Approaches to assessment.

Topic 8: Universal newborn hearing screening.

Module 3: (Re)habilitative and educational aspects of hearing loss –

Topic 9: Personal hearing instruments and Hearing Assistive Technology (HAT).

Topic 10: The role of Australian Hearing.

Topic 11: Classroom management and the acoustic environment.

Topic 12: Facilitating and monitoring auditory access for children with special hearing needs.

Topic 13: Review and discussion

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 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

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

If you are a Global MBA student contact globalmba.support@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

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Identify and describe audiological screening and assessment procedures
- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Assessment tasks

- Clinical observation & report
- Case Study

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

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Explain the delivery of audiology services for children and students with hearing loss
- Identify and describe audiological screening and assessment procedures
- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Assessment tasks

- Online quiz
- Clinical observation & report
- Case Study

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

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Explain the delivery of audiology services for children and students with hearing loss
- Identify and describe audiological screening and assessment procedures
- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Assessment tasks

- Clinical observation & report
- Case Study

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

- Identify and describe audiological screening and assessment procedures
- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Assessment tasks

- Online quiz
- Case Study

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

- Discuss foundational audiology terminology and constructs with parents of children with hearing loss
- Explain the delivery of audiology services for children and students with hearing loss
- Identify and describe audiological screening and assessment procedures
- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Assessment tasks

- Clinical observation & report
- Case Study

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

- Provide a description of the components and features of hearing aids, cochlear implants and FM systems, and how to carry out rudimentary troubleshooting
- Discuss the underlying theory of environmental acoustics and modifications, and to apply this to schoolbased settings

Assessment task

- Case Study