



**Karolinska  
Institutet**

Course syllabus for

## **Hearing assessment 1, 15 credits**

Hörselutredning 1, 15 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

Please note that the course syllabus is available in the following versions:

Spring2011 , Spring2012 , Spring2013 , Spring2014 , Spring2024

Course code	1AU032
Course name	Hearing assessment 1
Credits	15 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Audiology
Level	G1 - First cycle 1
Grading scale	Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnd 4
Decision date	2010-11-10
Revised by	Education committee CLINTEC
Last revision	2023-10-10
Course syllabus valid from	Spring 2024

## **Specific entry requirements**

Specific eligibility according to The Programme syllabus of The Study Programme in Audiology 180 credits.

Students who fail the clinical training (VFU) / equivalent as a result of demonstrating such a serious lack of knowledge, skills or attitudes that patient safety or patient confidence in healthcare is at risk, is qualified to a new opportunity only when the action plan has been established and completed.

## **Objectives**

The general aims of the course are that the student should be well familiar with conventional audiological methods of measurement. Further, the students should acquire knowledge and skills in hearing assessment and hearing assessment planning, interpretation of measurement result and practical knowledge through clinical education. The student should be able to demonstrate the ability to turn

theoretical facts to practical knowledge and also be able to describe, explain and analyse practical knowledge in theoretical arguments. The course constitutes a basis for future courses in hearing assessment and hearing rehabilitation.

The expected learning outcomes of the course

On completion of the course, the student should:

- be able to document, interpret, compare and reflect on audiological methods of measurement and - results,
- be able to relate the measurement result to relevant hearing tests to common hearing diagnoses and explain how different sources of errors can influence measurement results,
- based on the individual's need and preconditions plan, carry out and evaluate hearing assessing measures,
- independently be able to take medical history and give correct and relevant patient instructions before, and carry out and interpret tone and speech audiometry.

## Content

The following parts are included:

### **Hearing assessment, 7.5 hp**

Grading scale: GU

The part includes theoretical starting points for tone and speech audiometry. Measurement accuracy is examined based on concepts such as reliability and validity. The course also focuses on planning and the choice of testing methods with the aim of differential diagnosing and hearing rehabilitation. The choice of an adequate test battery based on medical history and ear status, and the interpretation of measurement results, are treated. The course furthermore focuses on the meeting with the patient in the hearing health care.

### **Clinical education and laboratory assignments, 4.5 hp**

Grading scale: GU

The part focuses on practical training in audiometry, planning and application of different test batteries and interpretation of measurement result, problem-solving and critical review. The laboratory sessions include tone and speech audiometry. Otoscopy and inspection of the ear canal and training in taking medical history and to give information and instructions to the patient are included in the preparations before all hearing testing.

### **Portfolio, 3.0 hp**

Grading scale: GU

The part focuses on to document a number of independent assignments that reflect both theoretical and practical parts in the course. These give training in both compilation and documentation as well as interpretation of, reflection and advanced study in audiological measurement results and patient meetings. Further, written and oral presentation is trained .

## Teaching methods

Lectures, seminars, laboratory sessions, self tests, exercises and clinical education. Seminars, laboratory sessions, self tests, exercises and clinical education are compulsory. Before laboratory session may be carried out, respective self tests should be passed.

In case of absence from compulsory part, the student is responsible for contacting course director for

complementary assignment.

The course director assesses how absence from compulsory education elements can be compensated for. Before the student has participated in the compulsory parts or has replaced compulsory education, in accordance to the instructions of the course director, the final study results cannot be reported.

Absence from a compulsory education element may lead to that the student can not recover the occasion until next time the course is given.

## Examination

Part 1: Hearing assessment, 7.5 HE credits

Written examination

Part 2: Placement and laboratory assignments, 4.5 HE credits

Placement

Preclinical tests

Active participation in laboratory sessions, exercises and seminars

Part 3: Portfolio, 3 HE credits

Assignments that are presented orally and in written form

For a Pass grade in the course, attendance at compulsory parts is furthermore required.

For students who have not passed the regular examination, possibility for re-examination is offered at a total of five examinations, of which the three last in connection to the next occasion when the course is given. As examination, the times are counted when the student has participated in the same test.

Supplementary addition to a written assignment is counted as one examination.

Students who not have received a passed grade on the placement is offered yet another period of placement, i.e. total two periods of placement.

The examiner may with immediate effect interrupt a student's clinical education, or the equivalent, if the student demonstrates such serious deficiencies in knowledge, skills or attitudes that patient safety or patient confidence in healthcare is at risk. When placement is interrupted in this way it implies that the student fails on current parts and that one clinical rotation opportunity is used up.

At a failure on placement should an individual action plan be established where it appears which activities and examinations that are required before the student is given possibility to new placement in this course.

## Transitional provisions

Examination can take place according to an earlier literature list during a time of one year after the date when a renewal of the literature list has been made. Examination will be provided during a time of two years after a possible close-down of the course.

The course has been discontinued and was given for the last time in the spring semester 2014.

Examination according to this syllabus will be given for the last time in the autumn semester 2024 for students who have not completed the course with a passing result.

## Other directives

Assessment criteria for examination, specific instructions for certain tasks and timetable with specification of compulsory parts and list of responsible teachers may be found on Pingpong on the first day of the course.

Study supervision containing assessment criteria for examination, specific instructions for certain tasks and timetable with specification of compulsory parts and list of responsible teachers will be provided.

Course evaluation will be carried out according to the guidelines that are established by the Board of Higher Education. Course evaluation is carried out both through a written course evaluation at the end of the course and through oral course forum at least once in connection with the course under which the students can state his opinions.

## Literature and other teaching aids

### **Audiology : diagnosis**

*Roeser, Ross J.; Valente, Michael.; Hosford-Dunn, Holly.*

2. ed. : New York : Thieme, cop. 2007 - xiii, 602 p., [10] p. of plates

ISBN:978-1-58890-542-0 (TPN) LIBRIS-ID:10535323

[Library search](#)

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### **Handbok i hörselmätning**

*Almqvist, Bengt*

[Ny utg.] : Bromma : SAME och C-A Tegner AB, 2004 - 242 s.

ISBN:91-631-4908-7 LIBRIS-ID:9481154

[Library search](#)

### **Metodbok i praktisk hörselmätning**

*Almqvist, Bengt*

[2. uppl.] : Bromma : C-A Tegnér, 2004 - 208 s.

ISBN:91-631-4909-5 LIBRIS-ID:9625710

[Library search](#)

Scientific articles and other materials be added.