Course syllabus for

Hearing assessment 2, 7.5 credits

Hörselutredning 2, 7.5 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:
Autumn2011 , Autumn2012 , Autumn2013 , Autumn2014

Course code	1AU028
Course name	Hearing assessment 2
Credits	7.5 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	2011-05-04
Revised by	Programnämnd 4
Last revision	2012-05-03
Course syllabus valid from	Autumn 2012

Specific entry requirements

For admission to the course, it is required that the student has managed at least 80 % (48hp) of the courses on semester 1 and 2, including the part placement in Hearing assessment 1.

Objectives

The course builds further on the course Hearing assessment 1.
The general aims of the course are that the student should be well familiar with impedance audiometrical and electrophysiologic methods of measurement. Further, the students should acquire knowledge and skills in deeper handling assessment and handling assessment planning, interpretation of measurement result and practical knowledge through placement. The course constitutes basis for future courses in handling rehabilitation.

The expected learning outcomes of the course
On completion of the course, the student should:
- independently be able to explain document, compare and interpret results of impedance audiometrical and electrophysiologic methods of measurement and review these critically in relation to the ton

audiogram
- account too and identify how different sources of errors can influence the measurement results
- independently be able to suggest a test battery for commonly occurring audiology diagnoses
- independently be able to give correct patient instructions for and carry out impedance - and brain stem audiometry and under supervision carry out otoacoustic emissions

Content

Hearing assessment, 5.5 hp The course introduces impedance audiometry and electrophysiologic measurements. Measurement accuracy is reviewed from concept as reliability and validity. The methods of measurement include impedance audiometry such as tympanometry and acoustic reflex metrics and brain stem audiometry and other electrophysiologic measurements. The course also focuses on planning and choices of testing methods in differential diagnosing and handling rehabilitation aim. Choice of adequate test battery from medical history, ear status and ton audiograms and interpretation of the measurement results are treated. Problem-solving and critical review are trained from patient cases and measurement results. The course also contains aspects as communication and patient approach in the handling health care. Strong emphasis is placed at both theoretical understanding of the different methods of measurement as practical management of measuring equipment. New research results current methods of measurement be taken up and be discussed. **Placement and laboratory assignments, 2 hp** The part focuses on practical training in impedance audiometric and electrophysiologic tests and interpretation of measurement results and critical review. Otoscopy and inspection of the ear canal and training in to take medical history and to give information and instructions to the patient include in the preparations before all audiometries.

Teaching methods

Lectures, seminars, laboratory sessions and placement.

Examination

Part 1: Hearing assessment, 5.5 HE credits
Written examination

Part 2: Placement and laboratory assignments, 2 HE credits
Placement
Clinical tests
Active participation in laboratory sessions and seminars

For a Pass grade in the course, attendance at compulsory parts is also required. In case of absence, the student is responsible alone to contact responsible for complementary assignment. Possibility is offered for students who not have become passed at the regular examination to total six examinations, of which the three last in connection with the next occasion then the course is given. Before the student starts with placement, compulsory laboratory sessions and exercises should be passed.

At a failure of placement, an individual action plan should be established, where it appears which activities and examinations that are required before the student is given possibility to new placement on this course. Examiner can with immediate impact interrupt a student's placement (VFU) if the student shows such serious deficiencies in knowledge, skills or attitudes that the patient security or the patients' trust for the healthcare are jeopardised. When placement is interrupted on this way it implies that the student fails on current parts and that one clinical rotation opportunity is used up. For students who not have become passed on the placement is offered yet another period of placement, i.e. total two Placement periode.

Transitional provisions

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

Other directives

Study supervision containing assessment criteria for examination, specific instructions for certain tasks and timetable with specification of compulsory parts and list of responsible teachers be distributed at the beginning of the course.
Course evaluation will be carried out according to the guidelines that are established by the Board of education. Course evaluation is carried out both through a written course evaluation at the end of the course and and through oral course forum at least once in connection with course where 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

SAME
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

Cotrona, Umberto
Understanding impedance measurement

Copenhagen : Oticon, Cop. 1989 - 101 s.
LIBRIS-ID:8225881

Elberling, Claus; Osterhammel, Poul Aabo
Auditory electrophysiology in clinical practice

Copenhagen : Oticon, [1989?] - 101 s.
LIBRIS-ID:2485765

Hall, James W.q (James Wilbur)
Handbook of otoacoustic emissions

San Diego,Calif. : Singular Thomson Learning, 2000 - xi, 635 p.
ISBN:1-56593-873-9 LIBRIS-ID:8618676
Library search