



**Karolinska
Institutet**

Course syllabus for

Pediatric optometry, 7.5 credits

Pediatrisk optometri, 7.5 hp

This course syllabus is valid from spring 2013.

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

Spring2013 , Spring2017 , Autumn2022

Course code	3OP012
Course name	Pediatric optometry
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Optometry
Level	AV - Second cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Clinical Neuroscience
Decided by	Programnämnd 8
Decision date	2012-05-08
Course syllabus valid from	Spring 2013

Specific entry requirements

Degree of Bachelor of Science in Optometry about 180 credits and professional status qualification as optician with contact lens qualification. Or Nurse degree of at least 180 credits, professional status qualification as nurse and 60 credits supplementation within eye care. In addition to this applies: Knowledge in Swedish and English equivalent Swedish B and English A (with lowest grade Passed).

Objectives

Objectives After the course, the student should:

- 1) describe the vision development of children and use examination methodology in relation to the age and mental capacity of the child,
- 2) take care of (examine, treat optometrically, and refer) children with eye diseases and other medical conditions affecting the eyes,
- 3) take care of (examine, treat optometrically, and refer) children that run risk to develop or that have binocular disturbances, and
- 4) describe and carry out additional tests of children with reading and writing disabilities.

Content

The course contains the following parts: Visual development, eye diseases and ocular manifestations, examination methodology, binocular vision, children and contact lenses, vision dimness technique and children and screening. Apart from this, the course also covers diagnostic medication and its use, studies of the topography and aberrations of the eye, the use of Gonioscopy lens and 90D lens, visual field examination, IOP measurements and laser techniques for examination of the retina. For the detailed contents, see the subject list of the course.

The course is divided into two (2) part:

Assignments and Clinical Work, 3.5 hp Includes submission and passed written assignments and completed clinical work. **Theoretical Understanding, 4 hp** Comprises a theoretical understanding and application of the subject-specific contents of the course.

Teaching methods

The course is initiated with labs, exercises, a theoretical overview and demonstrations. The theoretical overview is made through different tuition forms (Case methodology, lectures etc). The students are given a possibility to train practical skills but must take a great responsibility themselves.

Examination

The examination comprises:

- 1) Assignments. Examined the aims 1- 4.
- 2) Written/Oral examination. The written/oral tests examine the aims 1- 4.

In the part Assignments and Clinical work it is required to accomplish and pass written assignments and attendance and active participation in clinical exercises. The part is graded according to the scale Fail/Pass.

The part Theoretical understanding is examined through written/oral examinations. The part is graded according to the scale Failed/Passed/Passed with distinction.

The whole course is graded according to the scale Failed/Passed/Passed with distinction. To overall pass the course it is required to Pass both parts. To overall pass the course with distinction it is required to pass the part of assignments, and pass with distinction the written/oral examination.

A student who fails the regular examination has the right to participate at additional five examinations. If the student has failed six examinations no additional examination will be offered. Each examination attended is counted. Submission of blank exam is counted as an examination. Examination to which the student has registered but not participated in is not counted as an examination.

Transitional provisions

If the course is closed down or undergoes major changes, students who have not completed the course are given the possibility, during four semesters from the date when the student first registered in the course, to be examined under the then current syllabus After four semesters, the student is examined under the new syllabus.

Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Board of Higher Education.

Teaching in English can occur.

Literature and other teaching aids

Harvey, William; Gilmartin, Bernard

Paediatric optometry

Edinburgh : Elsevier Butterworth-Heinemann, 2004 - 170 p.

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