



**Karolinska
Institutet**

Course syllabus for

Ocular Diseases and Diagnostics, 7.5 credits

Ögats sjukdomar och diagnostik, 7.5 hp

This course syllabus is valid from spring 2017.

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

Autumn2012 , Spring2017 , Autumn2022

Course code	3OP007
Course name	Ocular Diseases and Diagnostics
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
Revised by	Education committee CNS
Last revision	2016-10-19
Course syllabus valid from	Spring 2017

Specific entry requirements

Degree of Bachelor of Science in Optometry of 180 credits and professional status qualification as optician with contact lens qualification. Or Degree of Bachelor of Science in Nursing of at least 180 credits, professional status qualification as nurse and 60 credits supplementation within eye care.

Knowledge in Swedish and English equivalent Swedish B and English A (with lowest grade Passed).

Objectives

After the course, the student should be able to:

- 1) interpret the patient's symptoms and choose relevant examination methods in relation to the symptoms of the patient,
- 2) take care of (examine, treat optometrically, and refer) patients that have lesions in the eye or where suspicion if there been lesions
- 3) describe how the most commonly occurring eye diseases are treated
- 4) discover ocular manifestations of systemic and neurological diseases/changes, and

- 5) understand the role of the optician in "shared care"
- 6) describe the main causes of vision loss in the world, including background, epidemiology and management.

Content

The course contains the following parts: age-related macula degeneration, glaucoma, dry eyes, cataract, diabetes, keratitis, conjunktivitis, diseases in the anterior chamber, uvea and eye diseases in children. Out over this is included also diagnostic medication, their usage and study of the topography and aberrations of the eye, the use of Gonioscopy lens and 90D lens, visual fields, IOP and laser techniques for study of the retina.

The course is divided into three (3) parts:

Assignments, 2.5 hp Including submission and passed written assignments. **Clinical Diagnostics, 1.5 hp** Including clinical understanding of the of the course content. **Theoretical Understanding, 3.5 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

- 1) Assignments. Examines the aims 1 up to 6.
- 2) Tests in diagnostics. Examines the aims 1 up to 5.
- 3) Written/Oral examination. Examines the aims 1 up to 6.

In this part Assignments are required accomplished and passed written assignments. The part is graded according to the scale failed and Passed.

The part Clinical diagnostics is examined through case examination. The part is graded according to the scale Failed/Passed/Passed with distinction.

The part Theoretical understanding is examined through a written test. Re examination may be oral. 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. For Pass (Accepted) is required Pass at all parts. To pass with credit is required passed in part written assignments and pass with credit in part diagnostic test and written/oral test.

A student who fails the regular examination has the right to participate at additional five examinations. If the student has carried out six failed examinations/test no additional examination will be allowed. As an examination, the times that the student has participated the same test are 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

Clinical ophthalmology : a systematic approach

Kanski, Jack J.; Bowling, Brad; Nischal, Ken K.; Pearson, Andrew

7. ed. : Edinburgh : Butterworth-Heinemann, 2011 - ix, 909 s.

ISBN:978-0-7020-4093-1 (hbk.) LIBRIS-ID:12189545

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