Course syllabus for

Ocular Diseases and Diagnostics, 7.5 credits

Ögats sjukdomar och diagnostik, 7.5 hp
This course syllabus is valid from autumn 2022.
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	2024-04-11
Course syllabus valid from	Autumn 2022

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/ Swedish 3 and English A/ English 6 (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
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. The course also includes diagnostic medication and their usage, 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 the following three modules:

Assignments, 2.5 hp

Grading scale: GU

Including submission and passed written assignments.

Clinical diagnostics, 1.5 hp

Grading scale: VU

Including clinical understanding of the of the course content.

Theoretical understanding, 3.5 hp

Grading scale: VU

Comprises a theoretical understanding and application of the subject-specific contents of the course.

Teaching methods

The course contains 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 course is examined in the following way:

Module 1, Written assignments, examines aims 1-6
a) written assignments, each graded U (Fail) or G (Pass)
The module is graded U or G. The grade G requires G on all written assignments.

Module 2, Clinical diagnostics, examines aims 1-5
a) case examination, is graded U, G or VG (Pass with distinction)
The module is given the same grade as the case examination, U, G or VG.

Module 3, Theoretical understanding, examines aims 1-6
a) written examination
The module is given the same grade as the written examination, U, G or VG.

Course grade
The course is graded U, G or VG.
The grade G on the entire course requires at least G on all modules 1-3.
The grade VG requires G on module 1 and VG on both module 2 and 3.

Possibility of exception from the course syllabus' regulations on examination

If there are special grounds, or a need for adaptation for a student with a disability, the examiner may decide to deviate from the syllabus' regulations on the examination form, the number of examination opportunities, the possibility of supplementation or exemptions from the compulsory section/s of the course etc. Content and learning outcomes as well as the level of expected skills, knowledge and attitudes may not be changed, removed or reduced.

Transitional provisions

The course is cancelled and was offered for the last time in the fall semester of 2023. Examination will be provided until the spring of 2026 for students who have not completed the course. As from the fall of 2026, examination will be provided according to guidelines in the syllabus that applies at the time in question.

Other directives

Course evaluation takes place according to guidelines established by Karolinska Institutet.

Teaching in English may 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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