



**Karolinska
Institutet**

Course syllabus for

Neuro-optometry, 7.5 credits

Neurooptometri, 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	3OP010
Course name	Neuro-optometry
Credits	7.5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Optometry
Level	AV - Second cycle
Grading scale	Fail (U), pass (G) or pass with distinction (VG)
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 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.

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) describe and analyse neurological changes that can give visual disturbance/changes and give symptoms related to the higher neurological functions
- 2) use tests and evaluate test results of neurological functions related to eye vision.

Content

The course contains the following parts: headache, changes to the fundus, visual field defects and visual perception disturbances, pupil defects, abnormal eye movements, transient low vision and head- and facial pain with eye/vision manifestations.

The course is divided into the following two modules:

Assignments, 2.5 hp

Grading scale: GU

Included passed written assignments.

Theoretical understanding, 5.0 hp

Grading scale: VU

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

Teaching methods

The course includes labs, exercises, a theoretical overview and demonstrations. The theoretical overview is thought 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 aim 1-2

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, Theoretical understanding, examines aim 1-2

a) written examination, is graded U, G or VG

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 G on module 1 and 2.

The grade VG requires G on module 1 and VG on module 2.

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

Mandatory literature

Bynke, Hans G.

Neuro-oftalmologi

3., [rev. och utvidgade] uppl. : Lund : Studentlitteratur, 1996 - 156 s.

ISBN:91-44-00080-4 (korr.) ; 220:00 LIBRIS-ID:8352505

[Library search](#)

Walsh, Frank Burton; Hoyt, William Fletcher

Walsh and Hoyt's clinical neuro-ophthalmology : the essentials

Miller, Neil R.

2nd ed. : Philadelphia, PA : Lippincott Williams & Wilkins, c2008. - 539 s.

ISBN:978-0-7817-6379-0 LIBRIS-ID:11304746

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