



**Karolinska  
Institutet**

Course syllabus for

## **Optometric Clinic 2, 6 credits**

Klinisk optometri 2, 6 hp

This course syllabus is valid from spring 2017.

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

Autumn2014 , Autumn2015 , Spring2017

Course code	1OP058
Course name	Optometric Clinic 2
Credits	6 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Optometry
Level	G2 - First cycle 2
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	2020-04-01
Course syllabus valid from	Spring 2017

## **Specific entry requirements**

Passed results of at least 55 higher education credits from the Optometry program semester 1 and 2 and at least 45 higher education credits from semester 3 and 4.

## **Objectives**

After the course, the student should be able to make a complete vision examination based on science and best practice (see for example Optikerförbundet and the quality norm of the Optikbranschen) and in relation to relevant laws and regulations for the optometrists, and be able to treat and reflect over various types of patients occurring in optometric practice.

And that the student in relation to optometry, medical care and science should be able to show:

- 1) ability to make independent and critical assessments
- 2) very high ability to interpret scientific articles and how one reviews critically and reflect over the importance of the results, and
- 3) high ability to reflect over new scientific data in relation to earlier published data
- 4) be able to apply and interpret the findings of all types of patients from a AAAQ framework.

The aims 1-4 should be seen in relation to the document "Vetenskaplig strimma Optikerprogrammet".

# Content

In relation to vision screening according to the quality norm, the emphasis of the course lies on to measure visual fields and make a first assessment of this, to review fundus photos and assess these, treatment of binocular problems, communication with different patient categories, knowledge of refractive surgery, ocular related pharmacology and laws that concern the activities of the optometrist.

In addition to this, the course is part of the program 's teaching intended to develop the student' s scientific abilities. In which the student should - show the ability to continue to develop within the field, including best practice and scientific communication. They will also develop his knowledge and understanding, his skills and abilities his judgement and sit scientific thought and attitudes in relation to optometry and a lifelong learning. The teaching related to general science and scientific abilities is described in a separate document.

The course is divided into two (2) parts:

## Clinical work, 3.0 hp

Grading scale: VU

Part 1 includes written assignments and group assignment and clinical work.

## Theoretical understanding, 3.0 hp

Grading scale: VU

Part 2 includes theoretical understanding of the content of the course.

## Teaching methods

The course includes self-study, demonstrations, laboratory sessions, theoretical overviews (in the form of lectures, seminars, Case methods, practical exercises), study visits and written assignments. The main written assignment is a completing work with a focus on laws and regulations in relation to the optometric subject area. The students are given possibility to train practical skills but must take large own responsibility.

The course director assesses if, absence from a compulsory education element can be replaced. If this is possible, the course director decides how the learning objectives should be achieved. Until the student has participated in the compulsory parts (or compensated any absence with assigned tasks in accordance with instructions from the course director) the final study results can not be reported. Absence from a mandatory education element could mean that the student can not do the part until the next time the course is offered.

## Examination

The course is examined against the following aim and on the following ways:

Part 1 examines all aims. Compulsory and active participation applies at demonstrations, test, laboratory sessions, seminars, study visits and at practical/clinical exercises. In case of absence, measures with course directors are discussed. The part is examined through written assignments and clinical work. The part is graded according to the scale Fail (U)/Pass (G).

Part 2 examines all aims. The part is examined with a written test. Re examination may be oral The part is graded according to the scale Failed/Passed/pass with credit.

The overall course mark is graded according to the scale Failed/Passed/pass with credit. A Pass grade requires a Pass in both parts. To pass with distinction is required passed in part 1 and pass with credit in part 2.

Criteria for assessing practical tests are established in separate documents.

## Transitional provisions

The course has been cancelled and is offered for the last time in the fall semester of 2020. Last examination according to this syllabus will be provided in the spring semester of 2022 for students who have not completed the course.

## Other directives

The course builds on all previously completed courses. Teaching in English may occur.

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

## Literature and other teaching aids

*Benjamin, William J.; Borish, Irvin M.*

### **Borish's clinical refraction**

2nd ed. : St. Louis, Mo. : Butterworth-Heinemann/Elsevier, c2006. - xviii, 1694 p.

ISBN:0-7506-7524-1 LIBRIS-ID:10580274

[Library search](#)

*Rutstein, Robert P.*

### **Anomalies of binocular vision : diagnosis & management**

*Daum, Kent Michael*

St. Louis ; b Mosby, c cop. 1998 : Mosby, cop. 1998 - xv, 368 s.

ISBN:0-8016-6916-2 LIBRIS-ID:5674465

[Library search](#)

*Rabbetts, Ronald B.*

### **Clinical visual Optics**

4.ed. : Edinburgh : Elsevier/Butterworth Heinemann, 2007 - 470 p

ISBN:9780750688741

[Library search](#)

### **Clinical procedures in primary eye care**

*Elliott, David B.*

3rd ed. : Edinburgh ;a New York : Elsevier/Butterworth Heinemann, 2007 - xii, 342 p.

ISBN:978-0-7506-8896-3 LIBRIS-ID:11008167

[Library search](#)

*Grosvenor, Theodore P*

### **Primary care optometry**

5th ed. : St. Louis : Butterworth-Heinemann/Elsevier, 2007 - 510 p.

ISBN:978-0-7506-7575-6

[Library search](#)

*Millodot, Michel*

### **Dictionary of optometry and visual science**

7. ed. : Oxford : Butterworth-Heinemann, 2009 - 409 p

ISBN:978-0-7020-2958-5

[Library search](#)

*Evans, Bruce J. W.; Pickwell, David. t Binocular vision anomalies*

**Pickwell's binocular vision anomalies**

5. ed. /b Bruce J.W. Evans : Edinburgh ;a New York : Elsevier Butterworth Heinemann, 2007 - 454 s.

ISBN:978-0-7506-8897-0 LIBRIS-ID:10659509

[Library search](#)

*Saude, Trygve*

**Ocular anatomy and physiology**

*Fletcher, R.*

London : Blackwell Science, 1993 - vii, 168 s. : ill.

ISBN:0-632-03599-4

[Library search](#)

**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

[Library search](#)

*Steinman, Scott B.; Steinman, Barbara A.; Garzia, Ralph P.*

**Foundations of binocular vision : a clinical perspective**

New York : McGraw-Hill Co., c2000. - xi, 345 p.

ISBN:978-0-8385-2670-5 (alk. paper) LIBRIS-ID:11950260

[Library search](#)