Course syllabus for

Contact Lenses, 15 credits

Kontaktlinser, 15 hp
This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.
Please note that the course syllabus is available in the following versions:
Autumn2014 , Autumn2015

Course code	1OP063
Course name	Contact Lenses
Credits	15 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Optometry
Level	G2 - First cycle 2
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Clinical Neuroscience
Decided by	Programnämnd 8
Decision date	2013-05-07
Revised by	Education committee CNS
Last revision	2020-04-01
Course syllabus valid from	Autumn 2015

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:

- Identify and list contact lens materials
- Describe design and manufacturing processes
- Describe maintenance, cleaning and handling of soft and stable lenses
- Analyse the needs for soft lenses, and be able to fit these
- Analyse the needs for rigid lenses, and be able to fit these
- Apply their knowledge and be able to fit any patient with contact lenses.

Related to science in general the student should be able to show:

1) ability to search and evaluate knowledge at the scientific level
2) ability to follow the knowledge development
3) good knowledge of the disciplinary foundation of the field and knowledge of current research and development and knowledge of the relationship between scholarship and best practice and the relationship importance for the profession exercise,
4) large ability to identify his need of additional knowledge and that continuous develop his skills
5) good understanding about the knowledge role in the society and if the responsibility of people for how it is used.
6) ability to identify his need of additional knowledge and to develop his skills.

Aim 1-6 should be seen in relation to the document "Vetenskaplig strimma Optikerprogrammet".

Content

The course aims at providing knowledge of different contact lens types, indications and contraindications for wearing contact lenses, fitting contact lenses and different contact lens accessories. This knowledge should enable the student to be able to fit contact lenses as correction for various types of visual defects, give patient instructions and make follow-up checks after contact lens fittings.

The course covers:
* General contact lens knowledge including, e.g., manufacturing processes for contact lenses, contact lens materials, contact lens optics, principles of contact lens fitting, patient examination and patient instruction.
* Special contact lens knowledge including, e.g., contact lenses when treating eye diseases, complications in wearing contact lenses, contact lenses and microbiology, to build and run a contact lens clinic.

In addition to this the course is part of the general scientific education within the program. In connection with this the students will continue to specialize within scholarship scholarship and best practice and scientific communication. They will also develop his knowledge and understanding, his skills and abilities his judgement and his scientific thought- and attitude in relation to optometry and a lifelong learning. The teaching in general scientific knowledge is described in a separate document.

The course is divided into three (3) parts of which 10.5 credits are studied during semester 5, and 4.5 credits during semester 6 at the Study Programme in Optometry.

Clinical work, 6.0 hp

Grading scale: VU

Part 1 includes implemented and submission of tasks and attendance at compulsory clinical work.

Theoretical understanding, 4.5 hp

Grading scale: VU

Part 2 includes theoretical understanding and renewal of the topic-specific contents of the course.

Clinic, 4.5 hp

Grading scale: VU

Part 3 includes clinical work with to fit contact lenses on patient.

Teaching methods

The course comprises self-study, demonstrations, laboratory sessions, theoretical overviews (in the form of lectures, seminars, Case methods, practical exercises), study visits and written assignments. The

students are given a possibility to train practical skills but must take a great responsibility themselves.

Examination

The course will be examined towards the following aims and in the following way:

Part 1 examines all aims. Compulsory participation applies at demonstrations, seminars, labs, external patients and placement (in case of absence, measures are discussed with course director). The part is examined, by tasks being submitted and passed (see separate list of assignments). The part is graded according to the scale Fail/Pass.

Part 2 examines all aims. The part is examined with written test. Re examination may be oral. The part is graded according to the scale Fail/Pass/Pass with distinction. For admission to the examination of this part, it is required that possible supplementary qualification for part 1 is carried out.

Part 3 examines aim 1-6. be examined through a practical test in contact lens fitting, assessment and handling (see separate list for detailed description of the practical tests), and attendance at contact lens fittings on patient. The part is graded according to the scale Fail/Pass.

The whole course is graded according to the scale Fail/Pass/Pass with distinction. For a Pass grade in the course, a Pass grade is required for all its parts. For a Pass with distinction, a Pass grade in parts 1 and 3, and Pass with distinction in part 2 are required.

Criteria for assessing the practical tests of the course are established in separate documents.

A student who fails the regular examination has the right to participate at additional five examinations. If the student fails six examinations/test there will be no additional examination. 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

The course has been cancelled and is offered for the last time in the spring semester of 2021. Last examination according to this syllabus will be provided in the fall semester of 2022 for students who have not completed the course.

Other directives

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

The course may not be included in higher education qualification at the same time with the overview and passed course, whose contents completely or partly corresponds to the course content. The following course is (partly) overlapping: *1OP022, Contact lenses*, 15 credits.

Literature and other teaching aids

Bennett, Edward

Clinical Manual Of Contact Lenses

Lippincott Williams And Wilkins.UK.20081225,
ISBN:9780781778299
Library search

Contact lenses

Phillips, Anthony J. q (Anthony John); Speedwell, Lynne

5th ed. : Edinburgh ; a New York : Butterworth-Heinemann, 2007 - xvi, 665 p.
ISBN:0750688181 LIBRIS-ID:10439031
Library search

Gasson, Andrew; Morris, Judith
The contact lens manual : a practical guide to fitting

3. ed. : London : Butterworth-Heinemann, 2003 - 450 p.
ISBN:0-7506-5548-8 (pbk.) LIBRIS-ID:8947219
Library search

Manual of contact lens prescribing and fitting : with CD-ROM
Hom, Milton M.; Bruce, Adrian S.

3. ed. : St. Louis : Butterworth-Heinemann Elsevier, cop. 2006 - xvii, 749 s.
ISBN:0-7506-7517-9 LIBRIS-ID:10099341
Library search

Bennett, Edward
Manual of Gas Permeable Contact Lenses

Butterworth Heinemann, 2004
ISBN:0-7506-4912-7
Library search

Efron, Nathan
Contact lens complications

2. [completely rev. and updated] ed. : Edinburgh ; b Butterworth-Heinemann, c 2004 : Butterworth-Heinemann, 2004 - xxxi, 256 p.
ISBN:0-7506-5534-8 LIBRIS-ID:9654988
Library search

Sweeney, D.q (Deborah)
Silicone hydrogels : continuous wear contact lenses

2nd ed. : Edinburgh : Butterworth-Heinemann, 2004. - 332 p.
ISBN:0-7506-8779-7 LIBRIS-ID:9485236
Library search

Veys, Jane; Meyler, John; Davies, Ian
Essential contact lens practice

Oxford : Butterworth-Heinemann, 2002 - 160 s.
ISBN:0-7506-4912-7 (pbk) LIBRIS-ID:5574027
Library search

Östlund, Kurt
Kontaktologi : lärobok i elementär och fördjupad kontaktlinsteknik och angränsande ämnen

Stockholm : [Förf.], 1980 - x, [1], 345 s., 18 pl.-s.
ISBN:91-7260-391-7 (inb.) LIBRIS-ID:7629066
Library search