Course syllabus for

Binocular Vision and Orthoptic Treatment, 7.5 credits

Binokulärseende och behandling, 7.5 hp
This course syllabus is valid from autumn 2012.
Please note that the course syllabus is available in the following versions:
Autumn2012 , Spring2017 , Autumn2022

Course code	3OP008
Course name	Binocular Vision and Orthoptic Treatment
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
Course syllabus valid from	Autumn 2012

Specific entry requirements

Degree of Bachelor of Science in Optometry about 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:

1) describe and analyse the vergence and accommodation system on the basis of current models,
2) evaluate binocular vision with objective and subjective methods
3) examine and treat (optometrically and via referral) children and adults with commitant and incomitant squints,
4) detect and take care of (treat, refer) children that run risk to develop binocular disturbances and
5) use tests and evaluate test results of neurological functions related to binocular vision.

Content

The course contains the following parts: Accommodation and vergens system, adaptation, commitant foris and tropies, microtropies, amblyopia, incomitant squints, A and V syndrome, accomodative problems and neurological changes that influence binocular vision.

The course is divided into two (2) part:

Assignments, 2.5 hp Includes accomplished and passed written assignments **Theoretical Understanding, 5 hp** 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 examination comprises:
1) Assignments. Examined the aims 1- 5.
2) Written/Oral examination. The written/oral tests examine the aims 1- 5.

In this part Written assignments are required accomplished and passed written assignments. The part is graded according to the scale Fail/Pass.

The part Theoretical understanding is examined through written/oral examinations. 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 both the parts. To pass with distinction one must complete all assignments, and pass with distinction in the part of written/oral examination.

A student who fails the regular examination has the right to participate at additional five examinations. If the student has failed six times no additional examinations is offered. Each examination handed in is 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

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

Ansons, Alec

Diagnosis and management of ocular motility disorders

Davis, Helen

3 : Oxford : Blackwell science, 2001 - 532 sid

ISBN:0-632-04798-4

Library search