FJH3001 Topics in Computational Brain Science: Vision I 4.0 credits

Ämnen i beräkningsorienterad hjärnvetenskap: Seende I

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for FJH3001 valid from Autumn 2018

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

The student must carry out research at the PhD level within or closely related to computational brain science or vision.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After the course, the student should be able to:

- describe, explain and relate basic theories, methodologies and algorithms in computational vision as well as
- be able to choose between different types of computational models for a computational implementation of visual operations.

The specific focus of the course may vary from time to time.

Course contents

Subjects in the front line of computational vision.

Disposition

The set-up is adapted for each course offering.

Course literature

Kurslitteraturen bestäms av examinator före varje kurstillfälle.

Selected papers relating to the topic in the front line of computational vision covered by the specific course offering.

Examination

- EXA1 - Examination assignment, 4.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Examination by written homework assignments.

Other requirements for final grade

Approved written report.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.