FDD3007 Computational Modeling in Current Neuroscience 3.0 credits

Beräkningsbaserad modellering inom aktuell neurovetenskap

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

Establishment

Course syllabus for FDD3007 valid from Autumn 2009

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Language of instruction

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

Intended learning outcomes

Course contents

The course illuminates the role of modeling and simulation in neuroscience from a number of perspectives. Current scientific articles are reviewed by the participants and the role of the model, how it is used, how it is developed, etc is considered. The students present and discuss the articles from a number of perspectives that highlights the role of the model in neuroscience. The questions concern the objective of the model in terms of knowledge, the quality of the modeling work, the scientific contribution of the model etc.

Examination

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.

Other requirements for final grade

Oral presentation of research articles and active participation in seminars.

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.