



FEK3100 BioTas I Journal Club

4.5 credits

BioTas I Journal Club

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

Establishment

Course syllabus for FEK3100 valid from Autumn 2012

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Recommendation:

The course content is tuned for PhD students in the fields of MEMS, Cell Physics, biotechnology, and the like.

Language of instruction

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

Intended learning outcomes

The students will have widened their view in the area of their own research by studying related research papers that are not necessarily of core importance for the exact topic of their own PhD studies.

Course contents

This course consists of a detailed study of scientific articles in the field of bio-, micro- and nanofluidics.

Disposition

We meet every second week for discussing a specific article. One student is chosen as the presenting participant, and this on a rotation basis. The presenting student selects a "high quality / high learning factor" scientific article related to the fields of lab-on-chip, microfluidics, biosensing technologies, microscale chemical/biological/medical systems, etc, and distributes the article to the other participants. Prior to each meeting, the non-presenting students must each prepare two questions about the article that will be taken up for discussion. The meeting starts with a 15-30 minute presentation of the article by the presenting student. Thereafter we discuss the questions from the other students.

Course literature

N/A

Equipment

None

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

The students gain 1.5 studypoints for every fifth meeting they participate in until they reach 4.5 study points. The course is then reported as passed.

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.