



NATUR-
VETENSKAPLIGA
FAKULTETEN

KURSSAMMANSTÄLLNING

Datum 2019-09-27

Biologiska institutionen
Grund- och avancerad utbildning

Kursansvarig: Klas Flärdh
Antal studenter: 22
Betyg: 1 Fail (U), 9 Pass (G), 12 Pass
w distinction (VG), after one re-take
of exam. (After first exam, one
student did not write at all and 3
students failed, the exam)
Sammanställt av: Klas Flärdh

Course analysis BIOS08 Microscopy- Bioimaging, spring 2019

Summary of the course evaluation

Number of answers: 15. Overall the students were pleased with the course (grade 4.0). The students especially appreciated demonstrations and exercises, practical lab project, and lectures. The different teaching activities (lectures, demos, exercise, etc) all received grades between 4.0 and 4.6. Suggestions for improvements concerned the information and communication about the course, and more clear guidelines about the project and the report.

Comments from the teachers team

The course worked well and the student group was as always engaged and fun to interact with. There was some criticism regarding poor and late information about the course and the schedule before the start, and also criticism about insufficient information about selection of practical projects, project deadlines, and guidelines for report. These things should be easy to improve until next year. The theoretical part of the course is a bit compressed in time and the theoretical exam is placed only after about 2.5 weeks. Perhaps the exam could be placed a little later to allow more time to study (some students commented on this). But overall, the structure of the course works well, and it is useful and much appreciated by the students to be able to dedicate the last part of the course to the practical project.

As always for this course, the main challenge is to find enough projects that can be done in short time, that have supervisors who have enough time, and that have suitable content and involves some kind of bioimaging problem that relates to the course content.

Evaluation of changes made since the previous course

After the previous course we had removed a literature project and changed the routines for the practical project. This resulted in more time for the practical project (which had been requested by students), and it decreased the workload since both a written and an oral report were removed. Instead, we extended and changed the instructions for the written report for the practical project. Overall, these changes seemed to be well perceived by the students, except that the information regarding the report needs to be improved. Also the teachers thought that the change led to a clear improvement. It was an advantage that the students wrote a theoretical report/text about their project at an early stage, since this probably led to a better and deeper understanding of the methodology and the bioimaging problems in their specific projects.

Suggested changes for the next course

The next time the course is given we plan to improve information, guidelines and communication. Overall, the workload is not perceived as very high, according to the course evaluation (the average time dedicated to the course was, based on the course evaluation, calculated to be roughly 26 hours per week!). This gives room to somewhat extend and develop the theoretical part of the course. It would also be possible to further extend the exercise in the handling and analysis of images (using ImageJ).

Other teachers

David O'Carroll, Ola Gustafsson, Stanley Heinze