

Course Report

Background information

Course: FMF0089 Flow Cytometry – Application and Analysis 1.0hp

Programme: MEDFARM's Doctoral courses

Semester: Autumn 2024

Number of registered students: 13 PhD-students (+ 3 PostDoc/Researchers)

Response frequency: 6/16

Date: 2024-10-14 to 2024-11-17, + individual feedback and oral examination during December 2024 or January 2025

Result of examination

Number of examined students: 8 PhD-students have passed the course (2025-04-17)

Brief summary of students' opinions and suggestions

Overall course impression: 6 of 6 answers "Very Good"

This was especially good according to the students:

- The course' design
 - The teacher's ability to explain and teach the topic.
- (Please see also 7. in the course evaluation for full comments.)

This can be improved according to the students:

- A bit more training in the FlowJo software
- More credits for the course, and a second more advanced part

Course director's/teachers' comments on course implementation and result

This course seems to have successfully taught PhD students (and Postdoctoral fellows) the possible types of experiments that can be performed using flow cytometry and how to begin analyzing the data. Training in using FlowJo (analysis software) should be extended if possible (2 hours was rushed, though students were able to successfully complete the homework assignment applying the use of FlowJo).

Suggestions for possible changes or measures

Additional details for FlowJo Software analysis could be included in the one on one oral examinations. If possible, an additional lecture could be added that is focused on additional types of analysis that can be performed using the software. An alternative would be to have the students watch some general introductory videos as part of the homework assignments so that the course time could be more focused in more detail on how to do specific types of analysis rather than the general software usage. Both of these additions may justify additional credits for the course.

Eventual changes that have been made in the course since the last time it was given

There has not been a previous course report for this course, however it was taught in 2022 without official approval. An oral examination/discussion of the students' homework assignments was added to the end of the course to give feedback and help the students understand any aspects of flow analysis that they were not comfortable with.

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