

Kursanalys (kursutvärdering)

Kurskod 4BI124	Kurstitel Research project 2	Högskolepoäng 15
Termin (vt/ht-år) HT2023	Tidsperiod 10 weeks	

Kursansvarig Juan Du	Examinator Ute Römling
Momentansvariga lärare 44 Principal Investigators and senior researchers working in different research areas at the Karolinska Institutet (KI) and other universities/institutions/companies offering suitable research projects took on the role as project supervisors	Övriga medverkande lärare 26 Examining teachers who are experts in the research areas of the projects conducted by the students.

Antal registrerade studenter vid treveckorskontrollen 45	Antal godkända vid sista kursdatum 44	Svarsfrekvens kursvärderingsenkät 44,44%
Övriga metoder för studentinflytande (utöver avslutande kursvärdering) Project based course in various research laboratories, most common request was extended deadline to submit the written examination which was granted. Some feedback was given by individual students during the 10 weeks.		
Återkoppling av kursvärderingsresultat till studenterna Via Canvas		

Observera att...

Analysen ska (tillsammans med sammanfattande kvantitativ sammanställning av studenternas kursvärdering) delges utbildningsnämnd vid kursgivande institution samt för programkurser även programansvarig nämnd.

Analysen har delgivits utbildningsnämnd följande datum: Feb 14, 2024

Analysen har delgivits programansvarig nämnd följande datum: Feb 14, 2024

1. Beskrivning av eventuellt genomförda förändringar sedan föregående kurstillfälle baserat på tidigare studenters synpunkter

This course 4BI124 is a continuation of the research project course 4BI097, which provides the students opportunities to perform research projects in different groups within KI and outside KI worldwide. After discussion and application to the program, a slightly modified syllabus and schedule was carried out. We added in the information about ethical consideration and

sustainability in the syllabus and clarified the examination better. The examination format was essentially the same as that of last year's course in line with the capacity gain in representation skills during the Master study. Information about the organization of the course was communicated to the students in 2023, once in March and once at the first day of the project as a kickoff seminar. Two former alumni (HT2022) were invited to join the information meeting and discuss with the present group of students their own experiences and expectations. During the spring and summer, we sent out questionnaires multiple times in order to follow the students' status on finding the groups and preparing the project descriptions.

The oral examination was conducted in the form of a workshop with poster presentation in two rooms at Biomedicum, KI. One student joined via zoom, being already abroad for the Master thesis (discussed the special situation regarding the examination time). All the students were requested to attend the entire session. Written examinations (abstract, poster and laboratory report) had been handed in one week before the oral examination for assessment by the examining teachers.

2. Kortfattad sammanfattning av studenternas värderingar av kursen

(Baserad på studenternas kvantitativa svar på kursvärderingen och centrala synpunkter ur fritextsvar. Kvantitativ sammanställning och ev. grafer bifogas.)

Overall, the students were satisfied with the experience that they gained, knowledge and practical skills during the project course.

Most of the students also found research projects that matched their interests, and they have received important information for development and learning. In addition, most of them consider this course built upon the knowledge from previous courses in the program, which showed a good continuation of the program.

Lots of the positive comments were on the examination format (poster session in the form of a workshop) and the way to discuss their projects with experts in the fields were very exciting. This is supported by the 95% responded "at least to some extent" the assessment points evaluate the performance of the project course are relevant. Furthermore, 95% consider the grading system at least "to large extent" is appropriate for this course. Please see the attached document for detailed results.

3. Kursansvarigs reflektioner kring kursens genomförande och resultat

Kursens styrkor: Many students could conduct their research projects in the research areas of their interest. The students also appreciate the freedom to design their poster in their style. The students really love the way of the examination, which provide them the nice interactive feeling as a small conference. Dedicated supervisors and examining teachers from the same fields were chosen. Quality of projects and presentations were generally very good to excellent. The format of the examination including the award of two poster prizes selected by the students and examining teachers is also nice way to involve the students for discussion.

Kursens svagheter: The fact that the course duration included the Christmas period created a conflict of different interests as always although it is meant to be the self-study period. The students need more clarified instruction for the report, which we already improved after the feedback. In addition, the students would like to have separated rooms during the examination, which will be improved in our next time course. There is one student who failed this course based on combining the examiner and supervisor's score. Discussion between the examiner and the supervisor had been arranged, and further discussion and re-examination will be performed with the student.

3. Övriga synpunkter

Of the 45 students who were invited to fill in the web survey, 20 answers counted (44.4%). The responses are positive overall, and all students (100%) think this course is ok to very good. All except one student say that this course has matched their interest to some extent.

All students thought they to some extent developed valuable expertise during the course. All except one (95%) of the student consider have achieved all the intended learning outcomes at least "to a

large extent". Majority (90%) think there was a common theme throughout the course. 95% of the students has promoted a scientific way of thinking and reasoning. Workload during the course was reasonable in relation to the course of credits award, to some extent (15%), to a large extent (60%) or to a very large extent (25%). Majority consider the methods used were relevant in relation to the learning outcomes, to some extent (10%), to a large extent (55%) or to a very large extent (35%).

Majority of students thought they could turn to the supervisor for guidance (20% to some extent and, 25% to a large extent, 55% to a very large extent). All students considered to have gotten enough information about the course at least to some extent.

In the feedback, the overall quality of the course was appreciated by the students. The recommendation from students varies, including adding clearer structure information of the reports, adjust the examination and proposal deadlines to match the Christmas period.

4. Kursansvarigs slutsatser och eventuella förslag till förändringar

(Om förändringar föreslås, ange vem som är ansvarig för att genomföra dessa och en tidsplan.)

1. In general, the course proceeded smoothly with good responses for the questions.
2. The oral examination in the form of a workshop/mini conference is the only occasion where all students meet and learn about each other's projects. The students appreciate the format of examination and the time to discuss with each other.
3. Although 10 weeks is the official duration of this course, including the Christmas period in this estimation is a weakness.
4. The students had good feedback regarding working in the research lab and experience the hands-on experiments. The freedom and the independence had improved, and it is appreciated.

Bilagor: 4BI124 Research project 2 HT2023 Course evaluation