

## Kursanalys (kursutvärdering)

<b>Kurskod</b> 4BI124	<b>Kurstitel</b> Research Project 2	<b>Högskolepoäng</b> 15
<b>Termin (vt/ht-år)</b> HT2022	<b>Tidsperiod</b> 10 v	

<b>Kursansvarig</b> Velmurugesan Arulampalam	<b>Examinator</b> Ute Römling
<b>Momentansvariga lärare</b> 40 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	<b>Övriga medverkande lärare</b> 26 Examining teachers who are experts in the research areas of the projects conducted by the students.

<b>Antal registrerade studenter vid treveckorskollen</b> 43 (41 in 4BI124 and 2 in 4BI097)	<b>Antal godkända vid sista kursdatum</b> 43	<b>Svarsfrekvens kursvärderingsenkät</b> 71.4 %
<b>Övriga metoder för studentinflytande</b> (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.		
<b>Återkoppling av kursvärderingsresultat till studenterna</b> 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 2023

Analysen har delgivits programansvarig nämnd följande datum: Feb 2023

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

This course 4BI124 is a direct continuation of the previous Individual research project course 4BI097, but there is a modified syllabus and schedule. 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 spring 2023, once in March and once in June. Two former alumni (HT2021) were invited to join the information meeting and discuss with the present group of students their own experiences and expectations.

The oral examination was conducted in the form of a workshop with poster presentation of the work on January 13, 2023, in Biomedicum, KI, Solna. Some students joined via zoom, being already abroad for the Master thesis (only the weekend between to the next term), but were requested to attend the entire session, 9.00 to around 16.30. 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.)*

The students were satisfied with the ILOs and experienced that they gained knowledge and practical skills working conducting an individual research project in a laboratory (90 %).

Assessments of workload and participation was not as unanimous, but still relatively positive as 30% of the students felt that the workload was appropriate to some extent or less. 70 % of the students thought that the feedback received was very important for their learning and development.

Most students also experienced the examination format (poster session in the form of a workshop) as rewarding. The newly introduced half-way review (via zoom) was however not as well received, although only taking half a day from 9:00 to 13:00. This can be shortened or changed into a short report based review in the future. 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. Dedicated supervisors and examining teachers were a majority. Quality of projects and presentations were generally very good to excellent. Many examining teachers who we spoke to on the day were impressed with the presentations and the format of the examination including the award of two poster prizes selected by the students and examining teachers.

**Kursens svagheter:** The fact that the course duration included the Christmas Period created a conflict of different interests. Course administrators had very little opportunity to meet and discuss issues with students over the 10-week period to receive feedback on research projects. Some e-mail communication did take place.

### 3. Övriga synpunkter

Within the three-grade scale for this course at the Karolinska Institutet, supervisors gave better grades than examining teachers. The average grades given by supervisors were higher this year compared to last (21.8 compared to 18.0). Examining teachers gave lower grades this year compared to last (18.7 against 20.56).

In terms of student performance, motivation and academic social skills were ranked highly by supervisors, whilst the examining teachers experienced the oral presentation and discussions by the students as very good.

Supervisors scored lower on theoretical knowledge and data presentation and interpretation.

The examining teachers generally judged that the poster design, scientific content, efficacy and argument should be improved.

Most students received passed with distinction (39 of 43), only four received a pass grade.

#### **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.
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 project. Therefore, a demand exists that students without official mandate to perform the next research project (Master thesis) at another university should be present in person at the examination.
3. About 90 % of the students could conduct projects that matched their interest. This is thanks to the many dedicated laboratories and engaged PIs that participated. This is reflected by the fact that many students had the opinion that on the whole, the course was good or very good.
4. The newly introduced half-time review received criticism. The course administration will endeavor to improve this check point. Students requested to skip this event as they felt that the experimental course time was in any case very short.
5. Although 10 weeks is the official duration of this course, including the Christmas period in this estimation is a weakness. Communication between supervisors and students can be disrupted in some cases and laboratory supervision is in most cases not possible. For example, supervisors and students from Europe did take a one week break to go back home for Christmas. Only the program directors can make any meaningful changes to the timetable.

**Bilagor:** 4BI124 Research project 2 HT2022 Course evaluation