



**Karolinska
Institutet**

Course syllabus for

Research project including research proposal, 16 credits

Individuellt forskningsprojekt inklusive forskningsplan, 16 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

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| Course code | 4BI074 |
| Course name | Research project including research proposal |
| Credits | 16 credits |
| Form of Education | Higher Education, study regulation 2007 |
| Main field of study | Biomedicine |
| Level | AV - Second cycle |
| Grading scale | Excellent, Very good, Good, Satisfactory, Sufficient, Fail, Fail |
| Department | Department of Microbiology, Tumor and Cell Biology |
| Decided by | Programnämnd 7 |
| Decision date | 2011-04-06 |
| Revised by | Programme committee for study programmes in biomedicine |
| Last revision | 2020-06-10 |
| Course syllabus valid from | Autumn 2011 |

Specific entry requirements

At least grade E (pass) on all courses on term 1 and at least 10 ECTS from courses on term 2 at the Master's programme in Biomedicine.

Objectives

The goal of the course is to give the students an opportunity to work, under supervision, with a research project within the field of biomedicine. The students will thereby acquire good laboratory skills and independent work in the laboratory or skills in collecting and analyzing data in non-laboratory based projects, and to write a realistic project planning in the form of a research proposal.

Knowledge and understanding

- * The student shall be able to perform experimental methods to solve a given scientific task.
- * The student shall be able to collect data for evaluation and for statistical treatment.
- * The student shall be able to read scientific literature of relevance to the project.
- * The student shall be able to write a research proposal based on acquired literature.

Applying knowledge and understanding

- * The student shall show independence, critical and creative thinking.
- * The student shall be able to formulate new scientific questions in connection with the project.

Making judgements

- * The student shall appreciate the benefit of realistic time planning, collaboration, and the link between theoretical and practical knowledge.
- * The student shall in a safe manner and in good order be able to handle scientific material.
- * The student shall perform the project work in an ethical correct manner.
- * The student shall be able to present the relevance of the work in a research proposal.

Content

Individual work with literature studies.

An individual study plan will be written by the student and supervisor together, which also serves as a project description. Additionally, a more extensive research proposal shall be written. Data collection can be performed at other universities than Karolinska Institutet.

Teaching methods

Individual work under supervision and participation in seminars and journal clubs at the department. Reading of scientific literature as recommended by the supervisor and the student's own judgement.

Examination

Written summary of the work in the form of a brief scientific article and an oral presentation for the other students and examiner. The examiner sets the grading after consultation with the supervisor and the examining teacher based on the initial research proposal, work performance and the presentation.

Limited number of examinations or practical training sessions

Students who have not passed the regular examination are entitled to participate in five more examinations. If the student is not approved after four examinations, he/she is recommended to retake the course at the next regular course date, and may, after that, participate in two more examinations. If the student has failed six examinations/tests, no additional examination or new admission is provided.

The number of times that the student has participated in one and the same examination is regarded as an examination session. Submission of a blank examination is regarded as an examination. An examination for which the student registered but not participated in, will not be counted as an examination.

Transitional provisions

The course is cancelled and was offered for the last time HT13. Examination according to this syllabus will be offered for the last time VT21 for students who have not completed the course with a passing grade.

Other directives

Evaluation of the course will be done after the course. Tuition and examination will be in English.

Literature and other teaching aids