



**Karolinska
Institutet**

Course syllabus for

Degree Project in Biomedicine, 30 credits

Examensarbete i biomedicin, 30 hp

This course syllabus is valid from spring 2014.

Please note that the course syllabus is available in the following versions:

Autumn2012 , Spring2014 , Spring2015 , Spring2020

Course code	4BI090
Course name	Degree Project in Biomedicine
Credits	30 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Biomedicine
Level	AV - Second cycle
Grading scale	Fail (U), pass (G) or pass with distinction (VG)
Department	Department of Biosciences and Nutrition
Decided by	Programnämnd 7
Decision date	2012-03-30
Revised by	Programme Committee 7
Last revision	2013-10-31
Course syllabus valid from	Spring 2014

Specific entry requirements

At least grade G at all courses on semester 1 and at least 10 ECTS from courses on semester 2 and registration for the course Research project including research proposal or equivalent course within exchange studies.

Objectives

The course intends to give the students possibility to under supervision and with independent work plan and carry out a laboratory or qualitative project within the biomedical field.

On completion of the course, the student should be able to:

Regarding knowledge and understanding

- acquire and critically review relevant scientific literature in support of broadening and deepening his or her knowledge of the chosen project and its biomedical field,
- establish a plan for an experimental project and be able to explain the choice of methods to solve a pretended scientific issue,

- collect data for compilation and statistical treatment.

Regarding skills and ability

- show certain independent, critical and creative thinking,
- be able to apply experimental methods to solve a pretended scientific issue,
- be able to place and evaluate his or her own work in the specific research field of the project and in a broader scientific perspective,
- be able to formulate new scientific issues arisen in connection with the implementation of the project,
- critically and objectively be able to assess others' scientific work and be able to give relevant feedback,
- be able to present his or her work in written and oral form,
- be able to reflect upon the ethical concerns of the project, as well as the project's impact on society,
- be able to summarise the work as a short press release aimed at the general community.

Regarding judgement and approach

- show a professional approach regarding time planning, collegial cooperation and connection between theoretical and practical expertise,
- in a reassuring way and with good order handle scientific material,
- carry out the project work on a research-ethical correct way.

Content

Individual work with literature studies. An individual project plan will be written by the student and supervisor together. The project work can be performed at other universities or government agencies than Karolinska Institutet or at a company.

Teaching methods

Individual work under supervision and certain independence and participation in seminars, journal clubs and other similar activities taking place where the work is carried out. Studies of scientific literature according to the recommendation of supervisor and own assessment.

Examination

Written summary of the work in the form of a scientific article and an oral presentation. The examiner sets the grading after consultation with the supervisor and the examining teacher based on 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 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

After each course occasion there will be at least six occasions for the examination within a two-year period from the end of the course.

Other directives

The course language is English.

Course evaluation will be carried out in accordance with the guidelines established by the Board of Higher Education.

Literature and other teaching aids

Individual reading list will be established in the project plan for the present degree project.