



**Karolinska  
Institutet**

Course syllabus for

## **Degree Project in Biomedicine, 30 credits**

Examensarbete i biomedicin, 30 hp

This course syllabus is valid from autumn 2012.

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
Course syllabus valid from	Autumn 2012

### **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:

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.

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.

#### 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.

A student who does not pass the examination on the first occasion is offered a maximum of five additional opportunities to sit the examination. If a student has not passed the examination after a total of four attempts then it is recommended that the student retake the whole course at the next opportunity. Following this the student is permitted to sit the examination on another two occasions. A student who fails the examination on six occasions is not permitted to sit the examination again or to retake the course.

Participation in an examination is defined as an occasion on which a student attends an examination, even if the student submits a blank examination paper. If a student has registered to sit an examination, but does not attend the examination, this is not defined as participation in the examination.

## Transitional provisions

After each course will be offered at least six occasions for examination within a 2-year period after the course.

## Other directives

The course will be evaluated in accordance with the guidelines established by the Board of Higher Education.

The course language is English

## Literature and other teaching aids

