



**Karolinska
Institutet**

Course syllabus for

Junior Research Project, 9 credits

Junior Research Project, 9 hp

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

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

Spring2012 , Spring2014 , Spring2016 , Spring2020

Course code	4BI088
Course name	Junior Research Project
Credits	9 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Biomedicine
Level	AV - Second cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Medical Biochemistry and Biophysics
Decided by	Programnämnd 7
Decision date	2011-12-21
Course syllabus valid from	Spring 2012

Specific entry requirements

Bachelor's degree or professional qualification worth at least 180 ECTS credits in biomedicine, biotechnology, cellular and molecular biology, medicine or equivalent.

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 emphasis is on methodological training and the students will improve their experimental skills and scientific attitude. Knowledge and understanding The student shall be able to use experimental methods to solve a given scientific task. The student shall be able to collect and summarise data for statistical analysis. The student shall be able to read scientific literature of relevance to the project. Skills and ability The student shall show independence, critical and creative thinking. The student should be able to skillfully master an experimental method within the field of biomedicine Evaluation ability and approach 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 valuable scientific material. The student shall perform the project work in an ethical correct manner.

Content

Individual work with emphasis on practical experimental work including a component of literature studies. An individual study plan will be written jointly by the student and supervisor. The project plan also serves as a project description with emphasis on methodologies. The project work can be performed at other universities than Karolinska Institutet.

Teaching methods

Individual laboratory work under supervision.

Examination

Written summary of the work and a short oral presentation for the other students, an examining teacher and examiner. The grade is based on laboratory and practical skills and the final presentations and is set by the examiner following consultation with the examining teacher and the supervisor. The course director assesses if and, in that case, how absence can be compensated. Before the student has participated in all compulsory parts or compensated absence in accordance with the course director's instructions, the student's results for respective part will not be registered in LADOK. 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

After each course occasion there will be at least six occasions for the examination within a 2-year period from the end of the c

Other directives

Evaluation of the course will be done following the course. Course language is English.

Literature and other teaching aids