



**Karolinska  
Institutet**

Course syllabus for

# **Cell Biology, Genetics and Genomics, 9 credits**

Cellbiologi, genetik och genomik, 9 hp

This course syllabus is valid from autumn 2020.

Course code	4BI106
Course name	Cell Biology, Genetics and Genomics
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 Cell and Molecular Biology
Decided by	Programme committee for study programmes in biomedicine
Decision date	2020-03-06
Course syllabus valid from	Autumn 2020

## **Specific entry requirements**

At least the grade G (pass) for the courses Applied Communication in Biomedicine 1 including Philosophy of Science and Bioethics, Applied Communication in Biomedicine 2, Frontiers in Translational Medicine, Laboratory Animal Science in Theory and Practice, and Biostatistics, within the Master's Programme in Biomedicine.

## **Objectives**

Upon completion of the course, the student should:

regarding knowledge and understanding

- explain central concepts and functions in cell biology, genetics and genomics
- describe methods and technologies used in cell biological research, including genetics and genomics

Regarding competence and skills

- be able to discuss and critically evaluate&

## **Content**

The course consists of several parts addressing aspects of cell biology, genetics and genomics, inklusive olika typer av analyser a genetisk data.

## **Examination**

The examination consists of oral and written assignments.

If there are special grounds, or a need for adaptation for a student with a disability, the examiner may decide to deviate from the syllabus's regulations on the examination form, the number of examination opportunities, the possibility of supplementation or exemptions from the compulsory sections of the course etc. Content and learning outcomes as well as the level of expected skills, knowledge and abilities may not be changed, removed or reduced.

### **Compulsory participation**

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 will not be registered in LADOK. Absence from a compulsory activity may result in that the student cannot compensate the absence until the next time the course is given.

### **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.

If there are special grounds, or a need for adaptation for a student with a disability, the examiner may decide to deviate from the syllabus's regulations on the examination form, the number of examination opportunities, the possibility of supplementation or exemptions from the compulsory section/s of the course etc. Content and learning outcomes as well as the level of expected skills, knowledge and abilities may not be changed, removed or reduced.

## **Literature and other teaching aids**

There is no literature specified for this course. Please contact the department for more information.