



**Karolinska  
Institutet**

Course syllabus for

# **Immunology and infection biology, 9 credits**

Immunologi och infektionsbiologi, 9 hp

This course syllabus is valid from autumn 2013.

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

[Autumn2011](#) , [Autumn2013](#) , [Autumn2014](#) , [Autumn2019](#)

Course code	4BI078
Course name	Immunology and infection biology
Credits	9 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Biomedicine
Level	AV - Second cycle
Grading scale	Pass, Fail
Department	Department of Microbiology, Tumor and Cell Biology
Decided by	Programnämnd 7
Decision date	2011-04-06
Revised by	Programnämnd 7
Last revision	2013-03-21
Course syllabus valid from	Autumn 2013

## **Specific entry requirements**

At least the grade G (pass) on 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**

On completion of the course, the student should:

- have gained an in depth understanding of common infections,
- understand how the immune system reacts to infections,
- be able to retrieve relevant information from the literature and critically discuss it,
- have developed a scientific and critical attitude including responsibility for his/her own learning.

## **Content**

The course is divided into two parts:

**Immunology and infection biology part 1, 5 hp Immunology and infection biology part 2, 4 hp**

## **Teaching methods**

The pedagogic view is based on learning as an active research process. The course is an advanced course and it is the assumption that the students take own responsibility to acquire knowledge. Teaching will be in the form of expert lectures, seminars and group-based work guided by researchers. Group-based and/or individual assignments are included and are presented as written reports and oral presentations.

## **Examination**

Immunology and infection biology part 1 is examined through oral and written assignments. Immunology and infection biology part 2 is examined through oral and written assignments.

In order to achieve pass (G) on the course, both parts must have been approved.

### **Compulsory participation**

Attendance at the introduction to the components of the course, seminars, group work and demonstration is compulsory. 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.

## **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.

## **Literature and other teaching aids**

Course literature is scientific papers and material handout that will be provided during the course.