

Syllabus

for course at first level

**Immunology
Immunologi**

**15.0 Higher Education
Credits
15.0 ECTS credits**

Course code:	BL4003
Valid from:	Autumn 2007
Date of approval:	2023-11-21
Department	Department of Biology Education
Subject	Biology
Specialisation:	G2F - First cycle, has at least 60 credits in first-cycle course/s as entry requirements

Decision

This syllabus has been approved by the Board of the Faculty of Science at Stockholm University.

Prerequisites and special admittance requirements

Admission to the course requires knowledge equivalent to 30 credits in Chemistry, including a minimum of 7,5 credits in Biochemistry, as well as Cell and Molecular Biology 30 credits.

Course structure

Examination code	Name	Higher Education Credits
4A03	Theory	7.5
4B03	Laboratory exercises	6
4C03	Project	1.5

Course content

a. The course covers topics in immunochemistry and related methodology, problems in immunobiology regarding the induction and regulation of humoral, cell-mediated and innate immune responses together with evolutionary aspects of immunity. Medical/clinical implications of immunity are also discussed. Some important immunological methods will be applied in laboratory experiments. A short project, where a contemporary immunological topic is further analyzed, will also be performed. The course forms a platform for future master and graduate studies in immunology and related areas, as well as for employments within county councils, pharmaceutical industry and biomedical industry. b. The course includes the following elements: Theory 7.5 hp, Laboratory Exercises 6hp and a Project 1.5 hp.

Learning outcomes

After the course, students are expected to be able to:

- give a detailed description of the cellular and humoral components of the immune system,
- account for the development, function and regulation of the immune system in physiological and pathological situations and
- master basic immunological techniques.

Education

Instruction consists of lectures, laboratory exercises, group discussions, project work as well as written and oral presentations.

Participation in laboratory exercises as well as project work and group education associated with this is compulsory. In the event of special circumstances, the examiner may, after consultation with the teacher concerned, grant a student exemption from the obligation to participate in certain compulsory instruction.

Forms of examination

a. The course is examined as follows: Knowledge assessment takes the form of written and/or oral examination, written and/or oral presentations of laboratory exercises and of project work.

b. Grading is carried out according to a 7-point scale related to learning objectives:

A = Excellent

B = Very Good

C = Good

D = Satisfactory

E = Sufficient

Fx = Fail

F = Fail

c. Grading criteria for the course will be distributed at the start of the course.

d. A minimum grade of E is required to pass the course, and participation in all compulsory education.

e. Students who fail an ordinary examination are entitled to sit additional examinations as long as the course is offered. There is no restriction on the number of examinations. Examinations also include other obligatory elements of the course. Students who have passed an examination may not resit it in order to achieve a higher grade. Students who have failed on two occasions are entitled to request the appointment of a different examiner for the next examination. Any such request must be made to the departmental board.

Interim

Students may request that the examination is carried out in accordance with this syllabus even after it has ceased to apply. This right is limited, however, to a maximum of three occasions during a two-year-period after the end of giving the course. A request for such examination must be sent to the departmental board.

Limitations

The course can not be included in a degree together with the course Immunology 10 p (BI3070) or the equivalent.

Misc

The course is a component of the Bachelor's Programmes in Biology and Molecular Biology, and it can also be taken as an individual course.

Required reading

Course literature is decided by the departmental board and is described in an appendix to the syllabus.