



# KH1223 Biotechnology 7.5 credits

**Bioteknik**

This is a translation of the Swedish, legally binding, course syllabus.

## Establishment

Course syllabus for KH1223 valid from Autumn 2007

## Grading scale

A, B, C, D, E, FX, F

## Education cycle

First cycle

## Main field of study

Biotechnology, Technology

## Specific prerequisites

## Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

## Intended learning outcomes

This course give students basic knowledge of biochemistry and microbiology in order to give the students understanding of the possibilities of biotechnology.

## Course contents

Structures and properties of biological macromolecules. Organisation of the cell and function of cell active macromolecules. Biochemical energy exchanges: degradation and synthesis. Gene technique. Elementary microbiology. Scientific literature.

## Course literature

Erlandson – Albertsson, Gullberg Cellbiologi, 2002

Thongaard, Varlund, Madsen Grundläggande mikrobiologi, 2002

## Examination

- ÖVN1 - Exercises, 1.5 credits, grading scale: P, F
- TEN1 - Written examination, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 1.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

## Other requirements for final grade

Passed written exam (TEN1; 4,5 cr.). Passed lab sessions (LAB1; 1,5 cr.). Passed project assignment (PRO1; 1,5 cr.).

## Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.