

# Pharmacology

Programme course

6 credits

Farmakologi

NVFA09

Valid from: 2017 Spring semester

**Determined by**

Board of Studies for Chemistry, Biology  
and Biotechnology

**Date determined**

2017-01-25

## Main field of study

Biology, Chemical Biology, Chemistry

## Course level

First cycle

## Advancement level

G2X

## Course offered for

- Protein Science, Master's Programme
- Chemical Analysis Engineering, B Sc in Engineering
- Chemical Biology
- Chemistry

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Biochemistry

## Intended learning outcomes

After the course the student will be able to:

- describe the principles of drug absorption, distribution and elimination.
- describe drug / receptor interactions and their implications
- explain the mechanisms of action of drugs acting on specific organ / body system.
- apply pharmacological methodology

## Course content

The course includes studies in basic pharmacodynamics and pharmacokinetics, as well as a choice of drug groups, their mechanisms of action and clinical use. Laboratory work in the course includes theoretical and practical exercises in pharmacology methodology.

## Teaching and working methods

The course consists of lectures, laborations and seminars

## Examination

LAB1	Approved laboratory course	1.5 credits	U, G
TEN1	Written examination	4.5 credits	U, 3, 4, 5

## Grades

Four-grade scale, LiU, U, 3, 4, 5

## Department

Institutionen för medicin och hälsa

## Director of Studies or equivalent

Eva Lindström

## Examiner

Eva Lindström

## Education components

Preliminary scheduled hours: 47 h

Recommended self-study hours: 113 h

## Course literature

Lippincott's Illustrated Reviews: Pharmacology, 5/e: International Edition (ISBN: 9781451143201) Ed: Harvey and Champe.

## Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at [http://stydokument.liu.se/Regelsamling/Innehall/Utbildning\\_pa\\_grund-\\_och\\_avancerad\\_niva](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).