

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.