



**Karolinska  
Institutet**

Course syllabus for

## **Pharmacology, 5 credits**

Farmakologi, 5 hp

This course has been cancelled, for further information see Transitional provisions in the last version of the syllabus.

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

Autumn2007 , Autumn2011 , Spring2015

Course code	2TL005
Course name	Pharmacology
Credits	5 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Not applicable
Level	GX - First cycle
Grading scale	Pass, Fail
Department	Department of Physiology and Pharmacology
Decided by	Styrelsen för utbildning/Programnämnden för tandläkarprogrammet
Decision date	2007-05-14
Revised by	Programnämnd 10
Last revision	2011-07-06
Course syllabus valid from	Autumn 2011

## **Specific entry requirements**

Standardised admission requirements E.1.

## **Objectives**

After the course, the student should · have sufficient knowledge of the principles of drug treatment to be able to acquire information about new drugs and treatment methods · be able to absorb all the information concerning drugs in public sources such as FASS · be able to evaluate pharmaceutical information from producers, critically.

## **Content**

Administration of drugs, pharmaceutical preparations. The absorption, distribution and metabolism of drugs in the body . Elimination of drugs. Interactions of drugs. The modes of action of the drugs. Receptors. Principles for drugs that have an effect on the nervous system, with examples of especially important drugs Principles for drugs that that have an effect on the heart, blood vessels and the

metabolism, with examples of especially important drugs Principles for drug treatment in infection and inflammation Important drugs in the treatment pain, especially in dental practice Drugs and salivary secretion Local anaesthesia (partly taught together with Clinical teachers).

## Teaching methods

Due to lack of an ideal textbook, basic knowledge is provided with lectures. Certain sections are studied at teacher-supervised seminars.

## Examination

Examination is carried out through written examination. After the written examination, there are parts of the course that are not examined. Group work during the first course weeks (before examination) are compulsory. Missed exercises should be compensated by a make-up assignment from the course provider. If the student's examination has not passed, the student gets 2 more examination opportunities. After that, the student is recommended to retake the course and is given 3 more examination opportunities. If the student has not passed after 6 trials, he/she has no more admission to the course. (HF chapter 6, section 11 a).

## Transitional provisions

If the course is closed-down or undergoes major changes, examination under a previous reading list and learning outcomes are offered, no more than one academic year (no more than 2 examinations in addition to regular examinations) after the implementation of the revision/close-down.

## Other directives

Course evaluation is carried out according to the guidelines established by the Board of education. The course replaces TLOA08

## Literature and other teaching aids

*Norlén, Per; Lindström, Erik*

### **Farmakologi**

2., [utök. och omarb.] uppl. : Stockholm : Liber, 2009 - 384 s.  
ISBN:978-91-47-09393-9 LIBRIS-ID:11438350

[Library search](#)

*Rang, H. P.; Dale, M. Maureen*

### **Rang and Dale's pharmacology Pharmacology**

7. ed. : Edinburgh : Churchill Livingstone, 2011 - 792 p.  
ISBN:978-0-7020-3471-8 (pbk.) LIBRIS-ID:12148717

[Library search](#)

*Lüllmann, Heinz.*

### **Color atlas of pharmacology Pocket atlas of pharmacology**

4th ed. : Stuttgart : Thieme, 2010. - 393 s.  
ISBN:978-3-13-781704-8 (alk. paper) LIBRIS-ID:12234369

[Library search](#)