



**Karolinska
Institutet**

Course syllabus for

Pharmacology, 3 credits

Farmakologi, 3 hp

This course syllabus is valid from autumn 2008.

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

Autumn2008 , [Autumn2011](#) , [Autumn2015](#) , [Autumn2021](#) , [Autumn2023](#)

Course code	1OP016
Course name	Pharmacology
Credits	3 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Not applicable
Level	GX - First cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Physiology and Pharmacology
Decided by	Programnämnden för Optikerprogrammet
Decision date	2008-03-19
Course syllabus valid from	Autumn 2008

Specific entry requirements

Standardised admission requirements E.1.

Objectives

After the course, the student should: 1. have general knowledge of what a drug is, how drugs can be administered, what drugs do to the body, what the body does to drugs, and how drugs are metabolised and eliminated. 2. Have general knowledge of neurotransmission in the central and peripheral nervous system and how drugs can interact with this 3. have theoretical knowledge and certain practical experience of how certain drugs may influence the functions of the eye. 4. have good theoretical knowledge on the treatment of glaucoma 5. Have general knowledge of antibiotics and anti-inflammatory drugs, and knowledge how to treat inflammation and infection in the eye

Content

Whole-group lectures on general pharmacology, receptor pharmacology and neurotransmission, lectures on pharmacological treatment of allergies and infections, glaucoma. A laboratory session where the students test the effects of various pharmaceuticals in the eyes and a group exercise with enhancing questions around the lectures.

Teaching methods

Plenary lectures, group exercise, laboratory session, examination.

Examination

The examination comprises written/oral examination and attendance in compulsory parts. Criteria for assessing examinations and compulsory attendance are established in a separate document.

Transitional provisions

When a student fails an examination, there will be an opportunity for a new examination. All in all, 6 opportunities for a new examination are provided for all parts

Other directives

Course evaluation will be carried out in accordance with the guidelines established by the Board of Education.

Literature and other teaching aids

Rang, Humphrey P.; Dale, M. Maureen

Rang & Dale's Pharmacology

6. ed. : Edinburgh : Churchill Livingstone, 2007 - xiii, 829 s.

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