

CH-602

**Basic principles of drug action at the cardiovascular system**

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Cursus	Sem.	Type
Chemistry and Chemical Engineering		Opt.

Language of teaching	English
Credits	1
Session	
Exam	Written
Workload	30h
<b>Hours</b>	<b>14</b>
Lecture	14
<b>Number of positions</b>	<b>15</b>

**Frequency**

Every year

**Remark**

Next time Spring 24

**Summary**

The aim of this course is two-fold: - to describe the molecular properties of some important drug targets - to illustrate some applications of drugs active at the nervous and cardiovascular systems.

**Content**

Basic principles of drug action at the cardiovascular system

1. Molecular pharmacology of ion channels
2. Pharmacology of the autonomous nervous system
3. Pharmacology of the autonomous nervous system II
4. Pharmacology of hemostasis and thrombosis
5. Cardiac insufficiency
6. Lipid-lowering drugs
7. Cardiac toxicity of drugs

**Keywords**

drug action

**Assessment methods**

2021: Written research report on a topic chosen by the teacher

**Resources****Moodle Link**

- <https://go.epfl.ch/CH-602>