

CH-602

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

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Cursus	Sem.	Type
Chemistry and Chemical Engineering		Obl.

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

**Frequency**

Every year

**Remark**

Next time: Spring 2018

**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) Pharmacology of the cholinergic and adrenergic system
- 2) Molecular pharmacology of G protein-coupled receptors
- 3) Molecular pharmacology of ion channels
- 4) Anti-coagulant and lipid lowering drugs
- 5) Pharmacology of heart failure

**Note****Spring every year (spread dates in March-April)**

The students need to be present at least during 6 of the 7 two-hour of the class.

**Keywords**

drug action

**Assessment methods**

written exam