

CH-620

**Efficient Synthetic Routes Towards Bioactive Molecules**

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<b>Cursus</b>	<b>Sem.</b>	<b>Type</b>
Chemistry and Chemical Engineering		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Multiple
Workload	60h
<b>Hours</b>	<b>46</b>
Courses	10
TP	36
<b>Number of positions</b>	

**Frequency**

Every year

**Remark**

Next time Spring 2025

**Summary**

Natural Products, Disconnection approach, Synthetic efficiency

**Content**

The following topics will be mainly targeted by this lecture:

- The concept of synthetic strategy optimization
- Diversity oriented synthetic approaches
- Convergent and building block based synthetic tactics
- Differences in planning of process and discovery routes
- Application of modern sustainable and efficient catalytic methods in multi-step synthesis

**Keywords**

Natural Products, Disconnection approach, Synthetic efficiency

**Learning Prerequisites****Important concepts to start the course**

Master EPFL or Equivalent

"strong background in synthetic organic chemistry"