

CH-620

Efficient Synthetic Routes Towards Bioactive Molecules

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Cursus	Sem.	Type
Chemistry and Chemical Engineering		Opt.

Language of teaching	English
Credits	2
Session	
Exam	Multiple
Workload	60h
Hours	46
Lecture	10
Practical work	36
Number of positions	

Frequency

Every year

Remark

Next time Winter 24 (block)

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"