CH-622

Synergism between Art of Total Synthesis and High Level Strategic Design (MOM)

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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**
Courses	10
TP	36
Number of positions	**8**

Frequency

Every year

Remark

Next time Summer 2027

Summary

Retro-synthessis, Total Synthesis, Atom-economy

Content

The following topics will be addressed:
- Selection of right (relevant?) targets
- Design of synthesis strategy
- Understanding the criteria for a successful synthesis
- Understanding the interplay between target puisuit and development of novel synthetic methodology
- Learning how to present and defend their own scientific project

Keywords

Retro-synthessis, Total Synthesis, Atom-economy

Learning Prerequisites

Recommended courses

Master EPFL or Equivalent

Important concepts to start the course

strong background in synthetic organic chemistry

Assessment methods

Oral presentation together with oral exam

Resources

Notes/Handbook

Next session Fall 2017 (block)