

CH-621(1)

Perspectives in Modern Organic Chemistry (OCS) 1

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Cursus	Sem.	Type
Chemistry and Chemical Engineering		Obl.

Language of teaching	English
Credits	1
Session	
Exam	Oral
Workload	30h
Hours	21
Courses	7
Exercises	14
Number of positions	

Frequency

Every year

Remark

Next time: Fall 2018

Summary

Total synthesis, Natural product, Green chemistry, Enantioselective synthesis, Organo-catalysis, Lewis acid, Transition-metal, Drug discovery

Content

Natural product, modern synthetic tools
 C-C bond formation, C-heteroatom bond formation
 Enantioselective synthesis
 Lewis acid-catalyzed transformation
 Transition metal-catalyzed transformation
 Organocatalysis
 Green chemistry
 Drug development, Drug discovery
 Interface of organic chemistry/biology, organic chemistry/bioorganic chemistry

Note

Enrolment: edch@epfl.ch

Fall+Spring**Keywords**

Total synthesis, Natural product, Green chemistry, Enantioselective synthesis, Organo-catalysis, Lewis acid, Transition-metal, Drug discovery

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

M2 level

Resources**Websites**

- https://www.epfl.ch/schools/sb/research/isic/news/organic_chemistry_seminars/