CH-621(2)

Perspectives in Modern Organic Chemistry (OCS) 2

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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: Spring 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
Spring+Fall

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/