Perspectives in Modern Organic Chemistry (OCS) 1

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<thead>
<tr>
<th>Cursus</th>
<th>Sem.</th>
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<td>Chimie et génie chimique</td>
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<td>Obl.</td>
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- Language: English
- Credits: 1
- Session: Oral
- Exam: 30h
- Workload: 21
- Hours: 21
  - Lecture: 7
  - Exercises: 14
- Number of positions: 

Frequency

Every year

Remarque

Next time: Fall semester 2019

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

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-events/organic_chemistry_seminars/