

# CH-621(1) Perspectives in Modern Organic Chemistry (OCS) 1

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Cursus	Sem.	Туре	Language of	English
Chemistry and Chemical Engineering		Opt.	teaching	LIIGIISII
			Credits	1
			Session	
			Exam	Oral
			Workload	30h
			Hours	21
			Courses	7
			Exercises	14
			Number of	
			positions	

## Frequency

Every year

### Remark

Next time: Fall 2021

### 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

## Assessment methods

Term paper

#### Resources

### Websites

• https://www.epfl.ch/schools/sb/research/isic/news-events/organic\_chemistry\_seminars/