Efficient Synthetic Routes Towards Bioactive Molecules

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Chimie et génie chimique

Sem. Obl.

Language: English
Credits: 2
Session: 2
Exam: Multiple
Workload: 60h
Hours: 46
Lecture: 10
Practical work: 36
Number of positions

Frequency
Every year

Remarque
Next time: Winter 2018

Summary
Natural Products, Disconnection approach, Synthetic efficiency

Content
The following topics will be mainly targeted by this lecture:
• The concept of synthetic strategy optimization
• Diversity oriented synthetic approaches
• Convergent and building block based synthetic tactics
• Differences in planning of process and discovery routes
• Application of modern sustainable and efficient catalytic methods in multi-step synthesis

Note
Block course
Next session 9+8+10.02.2017

Keywords
Natural Products, Disconnection approach, Synthetic efficiency

Learning Prerequisites
Important concepts to start the course
Master EPFL or Equivalent
"strong background in synthetic organic chemistry"