Synergism between Art of Total Synthesis and High Level Strategic Design (MOM)

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Frequency
Every year

Remarque
Next time: Summer 2020

Summary
Retro-synthesis, Total Synthesis, Atom-economy

Content
The following topics will be addressed:
• Selection of right (relevant?) targets
• Design of synthesis strategy
• Understanding the criteria for a successful synthesis
• Understanding the interplay between target pursuit and development of novel synthetic methodology
• Learning how to present and defend their own scientific project

Keywords
Retro-synthesis, Total Synthesis, Atom-economy

Learning Prerequisites
Recommended courses
Master EPFL or Equivalent

Important concepts to start the course
strong background in synthetic organic chemistry

Assessment methods
Oral presentation together with oral exam

Resources
Notes/Handbook
Next session Fall 2017 (block)