

ChE-452

Process development II

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Cursus	Sem.	Type
Biotechnology minor	E	Opt.
Energy Management and Sustainability	MA2, MA4	Opt.
Energy minor	E	Obl.
Ing.-chim.	MA2, MA4	Obl.

Language of teaching	English
Credits	2
Session	Summer
Semester	Spring
Exam	Oral
Workload	60h
Weeks	14
Hours	2 weekly
Courses	2 weekly
Number of positions	

Summary

Familiarize the students with integrated process development and industrial technologies.

Content**Optimization**

- Influence of process modifications
- Risk analysis introduction
- Optimum choice
- Development program definition
- Use of process simulation software
- Scale down & scale up

Assessment methods

Oral exam = 100% final grade

Examen oral = 100% de la note finale

Resources**Ressources en bibliothèque**

- [Ullmann's Encyclopedia of Industrial Chemistry](#)

Websites

- http://scgc.epfl.ch/telechargement_cours_chimie