ChE-459

Process development

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

Language of teaching	English
Credits	8
Withdrawal	Unauthorized
Session	Summer
Semester	Spring
Exam	During the semester
Workload	240h
Weeks	14
Hours	**8 weekly**
Lecture	2 weekly
Project	6 weekly
Number of positions	

It is not allowed to withdraw from this subject after the registration deadline.

Summary

Development project of a real lab process to industrial scale.

Content

- Integrated process development of a simple process from lab to industrial scale.
- Production costs estimation.
- Feasibility study with respect to economic and EHS compliance.
- Safety concepts application.

Learning Outcomes

By the end of the course, the student must be able to:

Transversal skills

- Assess progress against the plan, and adapt the plan as appropriate.
- Set objectives and design an action plan to reach those objectives.

Resources

Ressources en bibliothèque

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Moodle Link

- https://go.epfl.ch/ChE-459