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
• Ullmann's Encyclopedia of Industrial Chemistry
• Process Development / Vogel
• Scale up in Chemical Engineering / Zlokarnik
• Systematic Methods of Chemical Process Design / Biegler

Websites
• http://scgc.epfl.ch/telechargement_cours_chimie