INTERNATIONAL MASTER'S
SIMOS
SIMulation and Optimization of energy Systems

Design Project

Subject Information	
Code	UE4 S3
Credits (ECTS)	9
Semester	2 (mid-January - June)
Time Allocation (Lec. / Prac. / Lab/ Project)	0 / 0 / 0 / 100 h
Lecturer	One teacher for each group. Coordination : Dr. Lidia MARTINEZ-CASAS
Pre-requisites	
Assessment	Oral presentation + report

Lec. : Lectures *Prac. : Practical works ("small classes")* *Lab.: Laboratories*

Subject Description	
Introduction	This project, made in group from 3 to 5 students, consists in designing, sizing and optimizing an industrial installation.
Learning outcomes	Demonstrate capacity to master simultaneously all the acquired skills previously: skills scientists, teamwork, project management, communication.
Content	- Masse balance - Energy balance - Sizing of 3 or 4 unit operations or systems - Safety study - Process control study - Economic study - Environmental study - Energy optimisation
Literature	