

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 | |
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| 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 | <ul style="list-style-type: none"> - 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 | |