



Universitat de Lleida

# DEGREE CURRICULUM **PROJECTS**

Coordination: FERNANDEZ SERRANO, ALVARO

Academic year 2023-24

## Subject's general information

<b>Subject name</b>	PROJECTS			
<b>Code</b>	102541			
<b>Semester</b>	1st Q(SEMESTER) CONTINUED EVALUATION			
<b>Typology</b>	<b>Degree</b>	<b>Course</b>	<b>Character</b>	<b>Modality</b>
	Bachelor's Degree in Agricultural and Food Engineering	4	COMPULSORY	Attendance-based
<b>Course number of credits (ECTS)</b>	9			
<b>Type of activity, credits, and groups</b>	<b>Activity type</b>	PRALAB	PRAULA	TEORIA
	<b>Number of credits</b>	1	2	6
	<b>Number of groups</b>	1	1	1
<b>Coordination</b>	FERNANDEZ SERRANO, ALVARO			
<b>Department</b>	AGRICULTURAL AND FOREST SCIENCES AND ENGINEERING			
<b>Important information on data processing</b>	Consult <a href="#">this link</a> for more information.			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
COTS RUBIO, LLUIS	lluis.cots@udl.cat	3	
FERNANDEZ SERRANO, ALVARO	alvaro.fernandezserrano@udl.cat	3	
LUJAN EGEA, FRANCISCO JAVIER	xavier.lujan@udl.cat	3	

## Subject contents

### UD I: Basic Aspects and Methodology of Engineering Projects

- Project concept
- Phase methodologies
- Preliminary study
- The blueprint. The basic project
- The project or execution project
- Project implementation

### UD II: Morphology of the project

- Project Documents
- DB Memory
- DB Annexes
- DB Planes
- DB Specification
- DB Statement of Measurements and Budget
- DB Studies with Own Entity

### Unit III: Project Evaluation

- Evaluation methods. Decision support
- Simple evaluation methods
- Multi-criteria evaluation methods
- Economic evaluation methods

### UD IV: Regulations in projects

- The regulations in the design
- Building planning law
- Presentation of the CTE

### DU V: Fire Safety

- Legal framework for Fire Safety in agro-industrial establishments
- Characterization of industrial establishments
- Construction requirements
- Facility Requirements

- CTE. DB-SI. Fire safety

## **UD VI: Construction management**

- Introduction
- Aspects of start of work: organization, licences, starting documentation
- Development of the work
- Quality control of the work

## **UD VII: Planning of the work**

- Planning, Programming and control. Techniques
- Exercises on planning techniques

## **UD VIII: Safety and Health in construction works**

- Legal framework. Documentation and Processing
- Legal texts on risks and prevention
- Protections

## Evaluation

### **Qualification**

### **Evaluation**

- (A) Exam 1 (Professor Fernández Block, Units I to V): 35%
- (B) Exam 2 (Professor Cots Block, Units VI to VIII): 35%
- (C) Practices (Professor Luján Block): 30%

### **Criteria to pass the subject**

Pass criteria (these 4 requirements are mandatory):

1.  $0,35 \cdot A + 0,35 \cdot B + 0,30 \cdot C \geq 5,0$
2.  $A \geq 4,0$
3.  $B \geq 4,0$
4.  $C \geq 4,0$

- Students that fail any of these 4 requirements will do the makeup exam. Those students will have to improve the marks A, B or C below 4.0
- Students that reach requirements 2, 3 and 4 but fail requirement 1 will be allowed to choose the mark (A, B or C) to improve in the makeup exam

### **ALTERNATIVE ASSESSMENT**

If someone takes the alternative assessment, this will consist of a global examination of the entire subject syllabus, which will be carried out on the date set by the center for the second examination (15th January), and which will weigh 100 % of the grade. In order to pass the subject, a minimum grade of 5 must be obtained in the exam. In case of failing this examination, there will be a recovery examination on the date set by the center (29th January).

### **Observations**

- Exam 1 (Units I to V) will be multiple choice and each student can use a handwritten summary of it on a DIN A4 size sheet.
- Exam 2 (Units VI to VIII) will be multiple choice and without notes (60% grade) and problems (40% grade). For problems, you will be provided with a form like the one available on the virtual campus.