



Universitat de Lleida

# DEGREE CURRICULUM

# **ENTERPRISE PROJECTS I**

Coordination: NOGUES AYMAMI, MIQUEL

Academic year 2022-23

## Subject's general information

<b>Subject name</b>	ENTERPRISE PROJECTS I			
<b>Code</b>	14546			
<b>Semester</b>	UNDEFINED			
<b>Typology</b>	<b>Degree</b>	<b>Course</b>	<b>Character</b>	<b>Modality</b>
	Master's Degree in Industrial Engineering	2	OPTIONAL	Attendance-based
<b>Course number of credits (ECTS)</b>	6			
<b>Type of activity, credits, and groups</b>	<b>Activity type</b>	PRAULA		
	<b>Number of credits</b>	6		
	<b>Number of groups</b>	1		
<b>Coordination</b>	NOGUES AYMAMI, MIQUEL			
<b>Department</b>	COMPUTER SCIENCE AND INDUSTRIAL ENGINEERING			
<b>Important information on data processing</b>	Consult <a href="#">this link</a> for more information.			
<b>Language</b>	Catalan/Spanish			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
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## Subject's extra information

Subject dedicated to Dual modality, developing the training in the enterprise.

## Learning objectives

The objective of this subject is that the student learns to apply his/her knowledge to real industrial projects. Similarly, the student must learn to develop in a professional environment and in team work, as well as to be able to acquire knowledge while solving problems and/or developing projects.

## Competences

**Basic** competences:

- **CB2** To be able to apply the knowledge gained and to solve problems in new environments in wider contexts (or multidisciplinary) related with the area of study.
- **CB3** To be able to integrate knowledge and face complexity in order to make judgements from an information that, being incomplete or limited, it would include issues of social and ethical responsibilities directly related to the application of this knowledge and judgements.
- **CB4** To be able to communicate conclusions –and knowledge and reasons that support them– to either specialized or not specialised publics in a clear way and without ambiguities.
- **CB5** To possess the skills to continue learning self-directed and freelance.

**General** competences EPS:

- **CG1** Capacity of planning and organizing the personal work.
- **CG3** Capacity to convey information, ideas, problems and solutions both to a specialised and no specialised public.
- **CG4** Capacity to conceive, design and implement projects and/or provide new solutions, using the tools that the engineering offers.
- **CG5** To be motivated for the quality and the steady improvement.

**Cross-disciplinary** competences UdL:

- **CT1** Appropriate skills in oral and written language.
- **CT4** To respect the fundamental rights of equality between men and women, the promotion of the Human Rights and the principles of a culture of peace and democratic values.

## Subject contents

This subject is developed under the Dual Training Education System, based on the complementarity principle of learning in an academic degree and training in a professional environment in a company. This form of training takes place alternately between the university and the company.

The Dual Training allows to built professional competences by combining knowledge adquisition, implication in the action, and individualized accompaniment.

In Dual Training, the student is connected to the company by a labour contract, and is accompanied during the whole course by: the tutor in the company (TC) and the tutor in the university (TU) with who will have periodic meetings. The TC and TU follow his/her progression.

The contents of the subject derive from the agreement between the university and the company, and are established in the learning book of each student. The learning book is an exchange tool between the three actors of Dual Training that sintetize the key points of the meetings and evaluation. It is a follow-up document that is filled during the meetings. Anyway, the following UdL criteria must be implemented:

- Tasks to be developed are of the Industrial Engineering field.
- The follow-up of the student integration at the company will be done by the TC.

The learning book formilize the learnings both at the company and at the university.

## Methodology

The subject will be developed following the methodologies:

- **Problem solving:** In the problem solving activity, the lecturers propose a complex question to the students, to be solved either individually or in group.
- **Case studies:** Method used to study individuals, institutions, problems, etc. in a detailed and contextualized way (analysis processes must be developed).

## Development plan

The full-time internship contract considers that a portion of the day the studen is placed at the company and another part is devoted to the academic training in the master, as established in the training plan defined individually for each student.

During academic periods, students will combine their training by developing tasks in the company (4 hours daily) and tracking studies (4 hours daily). This proportion can be changed during the last semester of the studies, as established in the training plan to be developed for each student.

During periods without classes, students attend full time to the company.

## Evaluation

Evaluation activities	%	Dates	M/V (1)	I/G (2)
<i>Learning Book of Dual Training</i>	50	Week 9	O	I

<i>Learning Book of Dual Training</i>	50	Week 17	O	I
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(1) Mandatory/Voluntary

(2) Individual/Grupal