



DEGREE CURRICULUM

# **INDUSTRIAL LEGISLATION AND INTEGRATED MANAGEMENT**

Coordination: PARE BUSTO, MARC

Academic year 2022-23

## Subject's general information

Subject name	INDUSTRIAL LEGISLATION AND INTEGRATED MANAGEMENT			
Code	102490			
Semester	2nd Q(SEMESTER) CONTINUED EVALUATION			
Typology	Degree	Course	Character	Modality
	Bachelor's degree in Industrial Organization and Logistics Engineering	3	COMPULSORY	Attendance-based
Course number of credits (ECTS)	6			
Type of activity, credits, and groups	Activity type	PRAULA	TEORIA	
	Number of credits	3	3	
	Number of groups	1	1	
Coordination	PARE BUSTO, MARC			
Department	COMPUTER SCIENCE AND INDUSTRIAL ENGINEERING			
Teaching load distribution between lectures and independent student work	60 hours: face-to-face training 90 hours: Independent learning			
Important information on data processing	Consult <a href="#">this link</a> for more information.			
Language	Catalan			
Distribution of credits	3 Theory 3 Practice			

Teaching staff	E-mail addresses	Credits taught by teacher	Office and hour of attention
PARE BUSTO, MARC	marc.pare@udl.cat	3	
VIVES COLOM, DAVID	david.vives@udl.cat	3	

## Learning objectives

- Know the regulatory framework that affects the engineering profession, in the industrial, construction, machinery and installations, and safety fields.
- Recognize, identify and manage the main industrial and safety regulations.
- Interpret and apply industrial legislation in cases and representative examples in an industrial environment.
- Know the implementation of quality, environmental and safety at work management systems.
- Carry out the integration of the previous systems, in a single system.
- Know the research and innovation management systems.

## Competences

Basic skills:

B03. That students have the ability to gather and interpret relevant data (usually in their area of study) to make judgments that include thoughts on relevant issues of a social, scientific or ethical nature.

B04. That students can transmit information, ideas, problems and solutions to both specialized and non-specialized audiences.

General skills:

GC5. To carry out measurements, calculations, valuations, appraisals, surveys, studies, reports, work plans and other similar works.

GC6. To implement mandatory specifications, regulations and standards.

GC8. To apply the principles and methods of quality.

GC10. To work in a multilingual and multidisciplinary environment.

GC11. To understand and apply the necessary legislation in the exercise of the profession of Industrial Organization Engineer.

Specific skills:

CE17. To recognize the organizational structure and functions of a project office.

CE21. To acquire capacity to manage human resources and risk prevention and safety at work.

CE27. To have applied knowledge of the fundamentals of market research.

Transversal competences:

CT3. To implement new technologies and information and communication technologies.

## Subject contents

Topic 1 – Legislation and regulations

Topic 2 – Activities

Topic 3 – Construction

Topic 4 – Industrial Regulations

Topic 5 – Machines

Topic 6 – Products

Topic 7 – Patents

Topic 8 – Safty at work

Topic 9 – Environment

Topic 10 – Integrated management

## Methodology

- Master classes for content exposure.
- Preparation and implementation of activities and practical exercises, individually and in groups, evaluable for the final grade.
- Learning based on the case method, elaborating practical cases where it is necessary to apply theoretical knowledge.
- Autonomous study work, carrying out individual and group activities, searching for information and developing the tasks of the practical cases.
- Presentation of the results of the practical exercises through the delivery of written documentation.
- Face-to-face sessions of exhibition and defense of the work carried out.

All sessions will be face-to-face.

## Development plan

Week	Monday date	Topic	Observations
1	06/02/2023	Presentation/Topic 1 Legislation and regulations	Course start tuesday 7 february, 17.10h
2	13/02/2023	Topic 1 Legislation and regulations/Topic 2 Activities	
3	20/02/2023	Topic 2 Activities	
4	27/02/2023	Topic 2 Activities/Topic 3 Construction	
5	06/03/2023	Topic 3 Construction	
6	13/03/2023	Topic 3 Construction/Topic 4 Industrial regulations	
7	20/03/2023	Topic 4 Industrial regulations	Thursday 23 march student holiday
8	27/03/2023		Tuesday 28 march, 15.00 to 17.00h 1st partial A07
	03/04/2023		Holidays
9	10/04/2023	Topic 5 Machines	Tuesday 11 april holiday
10	17/04/2023	Topic 5 Machines/Topic 6 Products	
11	24/04/2023	Topic 6 Products	Thursday 27 april student holiday
12	01/05/2023	Topic 7 Patents	Monday 1 may holiday
13	08/05/2023	Topic 8 Safety at work	Friday 12 may institutional party EPS
14	15/05/2023	Topic 9 Environment	
15	22/05/2023	Topic 10 Integrated management	25 may, last lesson day
16	29/05/2023		Exams week
17	05/06/2023		Tuesday 6 june, 15.00 to 17.00h 2nd partial exam A07
18	12/06/2023		Exams week
19	19/06/2023		Tutorships
20	26/06/2023		Thursday 29 june, 15.00 to 17.00h, recovery exam A07

## Evaluation

A continuous assessment model will be applied in order to weigh the follow-up activities and the exams, with the following scale:

- 30% first partial exam
- 20% follow-up exercises (block 1)
- 30% second partial exam
- 20% follow-up exercises (block 2)

In order to pass the course it is necessary to have taken both partial exams.

The students who do not opt for continuous evaluation must pass the recovery exam, and submit a paper for each block, with the following scales:

- 30% paper for block 1
- 30% paper for block 2
- 40% final exam

## Bibliography

### **BASIC:**

Technical regulations and safety regulations to be studied during the course.

AENOR. (2008). UNE-EN ISO 9001: 2008. Quality management systems. Requirements (ISO 9001: 2008)

AENOR. (2004). UNE-EN ISO 14001: 2004 / AC: 2009. Environmental management systems. Requirements with guidance for use. (ISO 14001: 2004 /

Cor 1: 2009)

EC. 82009. Regulation (EC) no. 1221/2009 of the European Parliament and of the Council. Voluntary participation of organizations in a system Community environmental management and audit (EMAS)

OHSAS. (2007). OHSAS 18001: 2007. Occupational safety and health management systems

AENOR. (2005). UNE 66177: 2005. Management systems. Guide for the integration of management systems

CIDEM (Center for Innovation and Business Development). 2004. Integrated management systems. Generalitat of Catalonia. work Department and Industry. ISBN 84-393-6388-5

CIDEM (Center for Innovation and Business Development). 2005. The Systematization of innovation: standards of the UNE 166,000 R & D + I series.

Generalitat of Catalonia. Department of Labor and Industry. ISBN 84-393-6690-6

### **COMPLEMENTARY:**

The one that is indicated of each subject during the course.