1. OVERVIEW

Subject area	External Student Internship
Degree	Bachelor's Degree in Data Science
School/Faculty	Faculty of Science, Engineering and Design
Year	4º
ECTS	18 ECTS
Type	Compulsory
Language(s)	Spanish
Delivery Mode	On campus
Semester	2

2. INTRODUCTION

External Student Internship aims to offer students hands-on experience in the professional environment. This is mainly through companies which work in data analysis and processing in different fields. The main aim is for students to understand how small businesses are organised and to work as part of multidisciplinary teams in large companies. This includes being aware of the roles and responsibilities of people in these types of companies and their personal and business organisation, as well as administrative, management and procedural work.

On the whole, students will attain a broad and hands-on understanding of how professionals work within an enterprise, as well as learning about regulations, legislation and accountability associated with the activity in question.

3. SKILLS AND LEARNING OUTCOMES

Basic skills (CB, by the acronym in Spanish):

- CB1. Students have shown their knowledge and understanding of a study area originating from general secondary school education, and are usually at the level where, with the support of more advanced textbooks, they may also demonstrate awareness of the latest developments in their field of study.

- CB2. Students can apply their knowledge to their work or vocation in a professional manner and possess the skills which are usually evident through the forming and defending of opinions and resolving problems within their study area
- CB3. Students must have the ability to gather and interpret relevant data (usually within their study area) to form opinions which include reflecting on relevant social, scientific or ethical matters.

- CB4. Students can communicate information, ideas, problems and solutions to both specialist and non-specialist audiences

- CB5. Students have developed the learning skills necessary to undertake further study in a much more independent manner.

Cross-curricular skills (CT, by the acronym in Spanish):

- CT1. Ethical values: ability to think and act in line with universal principles based on the value of a person, contributing to their development and involving commitment to certain social values.

- CT02. Independent learning: skills for choosing strategies to search, analyse, evaluate and manage information from different sources, as well as to independently learn and put into practice what has been learnt.

- CT03. Teamwork: ability to integrate and collaborate actively with other people, areas and/or organisations to reach common goals.

- CT04. Written/spoken communication: ability to communicate and gather information, ideas, opinions and viewpoints to understand and be able to act, spoken through words or gestures or written through words and/or graphic elements.

- CT05. Analysis and problem-solving: be able to critically assess information, break down complex situations, identify patterns and consider different alternatives, approaches and perspectives in order to find the best solutions and effective negotiations.

- CT06. Adapting to change: be able to accept, consider and integrate different perspectives, adapting your own approach as required by the situation at hand, and to work effectively in ambiguous situations.

- CT7. Leadership: be able to direct, motivate and guide others by identifying their skills and abilities, in order to effectively manage their development and common interests.

- CT8. Entrepreneurial spirit: ability to take on and carry out activities that generate new opportunities, foresee problems or lead to improvements.

- CT9. Global mindset: Be able to show interest in and understand other customs and cultures, be aware of your own biases and work effectively as part of a global community.

Specific skills (CE, by the acronym in Spanish):

- CE9. Ability to apply safety assessment criteria and methods and safety certification, as well as compliance with current legislation on personal data, privacy and the rights of the general public.

- CE11. Ability to apply computational learning techniques in order to design and implement applications and systems that use them, including those dedicated to the automatic extraction of information and knowledge from large volumes of data.

- CE16. Ability to evaluate and apply principles of ethics and social responsibility to data science projects through analysis of their impact on people and the environment. This also includes compliance with professional code of conduct and current legislation.

Learning outcomes (RA, by the acronym in Spanish):

After passing the course students will be able to:

- RA1. Solve problems in the field of data science in a professional environment.
- RA2. Communicate information, ideas, solutions and results to interested parties, such as clients/users, suppliers or decision-makers.
- RA3. Draw up reports which summarise work carried out.

The following table shows how the skills developed in the subject area match up with the intended learning outcomes:

Skills	Learning outcomes
CB1, CB2, CB3, CB4, CB5	RA1. Solve problems in the field of data science in a professional environment.
CT1, CT2, CT3, CT4, CT5, CT6, CT7, CT8, CT9	RA2. Communicate information, ideas, solutions and results to interested parties, such as clients/users, suppliers or decision-makers
CE9, CE11, CE16	RA3. Draw up reports which summarise work carried out.

4. CONTENTS

Undergo work experience in companies or institutions where students find themselves in a learning environment within a real workplace, where they can build on and apply the acquired knowledge in an integrated manner which involves them more in the world of work.

5. TEACHING/LEARNING METHODS

The types of teaching/learning methods are as follows:

- Case study.

- Project-based learning.

- Field work (field trips, professional talks, work experience)

6. LEARNING ACTIVITIES

The types of learning activities, plus the amount of time spent on each activity, are as follows:

On campus/online:

Learning activity	Number of hours
Learning contract (definition of interests, needs and objectives)	4
Tutorials	4
Internship	442
TOTAL	**450**

7. ASSESSMENT

The assessment methods, plus their weighting in the final grade for the subject area, are as follows:

On campus/online:

Assessment system	Weighting
Work experience journals	40%
Tutor's report on work experience	60%

On the Virtual Campus, when you open the subject area, you can see all the details of your assessment activities and the deadlines and assessment procedures.

PLAGIARISM RULES

In accordance with the Disciplinary Regulations for Universidad Europea students:

• Plagiarism of all or part of any kind of intellectual work is considered to be a very serious offence.

• If any student commits the very serious offence of plagiarism or cheating to pass an assessment test, they will be disqualified from the corresponding exam, and their absence and the reason for this absence will be filed in their academic record.

8. BIBLIOGRAPHY

Businesses which take on work-experience students will recommend their own bibliography in line with the specific needs of each post.