1. OVERVIEW

Subject area	Social and Ethical Responsibility
Degree	Bachelor's Degree in Data Science
School/Faculty	Faculty of Science, Engineering and Design
Year	4º
ECTS	4.5
Type	Compulsory
Language(s)	Spanish
Delivery Mode	On campus
Semester	1

2. INTRODUCTION

The aim of this subject is to make students aware of the social and ethical impact of their professional activities as well as their importance in decision making. It will enhance students' ability to make value judgements and take responsibility. It will improve critical and discursive criteria.

3. SKILLS AND LEARNING OUTCOMES

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

- 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.
- CT2 - 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.
- CT3 - Teamwork: ability to integrate and collaborate actively with other people, areas and/or organisations to reach common goals.
- CT4 - 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.
- CT5 - 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.
- CT6 - 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):

- CE17 - 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 the student will be able to:

- RA1 - Carry out collaborative projects to demonstrate the ability to lead and work effectively and efficiently as a team.
- RA2 - Take on a leadership style which suits each situation and deal effectively with interpersonal conflict.
- RA3 - Understand the dynamic and development of work teams and how to manage them effectively.
- RA4 - Understand how to involve the ideas and opinions of others in the decision-making process and learn how to work towards the development of others.
- RA5 - Understand the importance of self-awareness and how to control emotions.
- RA6 - Identify interests, needs and perspectives of others in interpersonal relationships.
- RA7 - Identify new opportunities and hindrances to change, and to take informed decisions in uncertain times.
- RA8 - Use effective communication strategies in the professional world, both spoken and written.
- RA9 - Make an ethical evaluation of cases related to professional activity, taking decisions and being able to defend them appropriately.
- RA10 - Making value judgements and taking responsibility for your own actions and those of others, based on the established legislation.

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

Skills	Learning outcomes
CB 4; CB5; CT2; CT3	R1
CB 4; CB5; CT1; CT5; CT7	R2
CB 4; CB5; CT3	R3
CB 4; CB5; CT1; CT3	R4
CB 4; CB5	R5
CB 4; CB5	R6
CB 4; CB5; CT6; CT8; CT9;	R7
CB 4; CB5; CT4	R8
CB 4; CB5; CT1; CE17	R9
CB 4; CB5; CT1	R10

4. CONTENTS

Topic 1: Mission and impact of the business and industry on society.
Topic 2: Corporate Social Responsibility (CSR).
Topic 3: Responsibilities deriving from ICT and their contribution to sustainable development objectives
Topic 4: Implementation of CSR
Topic 5: Professional ethics and law

5. TEACHING/LEARNING METHODS

The types of teaching/learning methods are as follows:

- Master lectures
- Case studies
- Collaborative learning
- Problem-based learning
- Project-based learning
- Gamification
- Field work

6. LEARNING ACTIVITIES

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

On campus:

Learning activity	Number of hours
Master lectures and practical seminars	28
Problem solving and field studies	17
Debates and discussions	14
Learning contract (definition of interests, needs and objectives)	2
Autonomous learning	47
Tutorials	6
TOTAL	**114**

7. ASSESSMENT

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

On campus:

Assessment system	Weighting
On campus tests to evaluate objectives of theory/practical learning (exam-type objective tests, written compositions, spoken presentations, case studies/problem solving, debates, simulation tests)	75%
Off-site tests to assess theory/practical learning (case studies/problem solving)	10%
Attitude assessment tests (attitude assessment rules, class participation)	5%
Self- and co-assessment (learning contract, learning outcomes)	10%

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 for each activity.

8. BIBLIOGRAPHY

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