

Mobility and Road Safety

Code: 105778
ECTS Credits: 6

| Degree | Type | Year | Semester |
|---|------|------|----------|
| 2502501 Prevention and Integral Safety and Security | OT | 4 | 1 |

Contact

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Use of Languages

Principal working language: spanish (spa)
Some groups entirely in English: No
Some groups entirely in Catalan: No
Some groups entirely in Spanish: Yes

Prerequisites

This subject doesn't have any pre-requirerments

Objectives and Contextualisation

OBJECTIVES:

- Know the importance of people in Mobility differentiated from transport elements.
- Know how Mobility affects the Road Safety of people.
- Know international trends in environment and mobility
- Know and differentiate the regulations that regulate mobility and road safety issues.
- Know the instruments of Planning of mobility and road safety, applied to the company.
- Know the sector guides and the practical aspects necessary to implement a mobility and road safety plan in a company.

Competences

- Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
- Carry out analyses of preventative measures in the area of security.
- Have a general understanding of basic knowledge in the area of prevention and integral safety and security.
- Identify the resources necessary to respond to management needs for prevention and integral security.
- Know how to communicate and transmit ideas and result efficiently in a professional and non-expert environment, both orally and in writing.
- Make changes to methods and processes in the area of knowledge in order to provide innovative responses to society's needs and demands.
- Make efficient use of ITC in the communication and transmission of results.
- Plan and coordinate the resources of the three large subsystems that interact in questions of security: people, technology and infrastructures.
- Respond to problems applying knowledge to practice.
- Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.

- Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
- Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
- Take account of social, economic and environmental impacts when operating within one's own area of knowledge.
- Take sex- or gender-based inequalities into consideration when operating within one's own area of knowledge.
- Use the capacity for analysis and synthesis to solve problems.
- Work and learn autonomously.

Learning Outcomes

1. Analyse the preventative interventions in matters of security, environment, quality and social corporate responsibility and identify the inherent risk factors.
2. Analyse the sex- or gender-based inequalities and the gender biases present in one's own area of knowledge.
3. Analyse the situation and identify the points that are best.
4. Coordinate the resources of the three main subsystems of the prevention and integral security sector: people, technology and infrastructures.
5. Critically analyse the principles, values and procedures that govern professional practice.
6. Draw up management proposals for prevention and security in an organisation.
7. Identify, develop or acquire and maintain the main resources necessary to respond to tactical and operational needs inherent in the prevention and security sector.
8. Know how to communicate and transmit ideas and result efficiently in a professional and non-expert environment, both orally and in writing.
9. Make efficient use of ITC in the communication and transmission of results.
10. Propose new methods or well-founded alternative solutions.
11. Propose viable projects and actions that promote social, economic and environmental benefits.
12. Respond to problems applying knowledge to practice.
13. Students must be capable of applying their knowledge to their work or vocation in a professional way and they should have building arguments and problem resolution skills within their area of study.
14. Students must be capable of collecting and interpreting relevant data (usually within their area of study) in order to make statements that reflect social, scientific or ethical relevant issues.
15. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
16. Take a preventative view in the area of security.
17. Use the capacity for analysis and synthesis to solve problems.
18. Work and learn autonomously.

Content

CONTENTS:

MOBILITY AND CITY. Mobility concept. Role of the automobile in society. The automobile industry, economic and social effects.

MOBILITY AND ENVIRONMENT. Beginning of a new era. New elements of urban mobility, from Low Emission Zones to DUM. Effects on companies.

FROM TRANSPORTATION TO MOBILITY. Evolution in Europe.

- White Paper on Transport
- Green Paper on urban mobility

MOBILITY IN SPAIN. The Sustainable Economy Law. SUMP and Business Plans

- The Mobility Law in Spain
- Autonomous mobility laws. Catalonia.
- Mobility and road safety in the company.

ROAD SAFETY AS A HEALTH RISK. WHO reports and public strategies.

TRAFFIC ACCIDENTS AND ROAD SAFETY. Competences of the administrations. The Law of Traffic and road safety. The point permits. Vial security felony.

ROAD SAFETY AND OCCUPATIONAL RISK PREVENTION. Occupational traffic accidents (ALT). Risk factor in accidents. Covid 19. Telecommuting.

GUIDES AND PLANS FOR MOBILITY AND ROAD SAFETY APPLIED TO THE COMPANY. Requirements of the Plan for mobility and road safety in the company.

THE NEW ROAD SAFETY MEASURES APPLIED TO THE COMPANY. Law 18/2021. Courses for professional drivers. Control of consumption of substances that can disturb professional driving.

Methodology

The online courses require a high level of individual work and reading of the manual and documents that are provided as recommended bibliography and that this preparation should lead to individual reflection on the general aspects of mobility and road safety and how to translate it into a concrete reality, such as are the mobility and road safety plans in the company.

Therefore, reading the manual and other documents is essential, in order to raise doubts and intervene in the possible forums that are held, as well as active participation in face-to-face activities through Teams that are carried out during the course.

This course aims to cover general knowledge about environmental issues and traffic accidents and how it has a practical impact on the reality of companies.

To achieve the final objective, which is the realization and implementation of a sustainable and safe mobility through an action plan, it is important to have a broad vision of mobility concepts and their future trends, as well as the effects that social changes, legal and environmental factors believe in the reality of companies.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Activities

| Title | Hours | ECTS | Learning Outcomes |
|--|-------|------|--------------------------------|
| Type: Directed | | | |
| Evaluation | 4 | 0.16 | 16, 8, 4, 12, 6, 1, 9, 13, 17 |
| Videoconference with the active participation of the students | 12 | 0.48 | 8, 12, 10 |
| Type: Supervised | | | |
| Discussion forums, resolution of practical cases and tests. Tutorials and videoconference sessions | 24 | 0.96 | 3, 16, 12, 6, 1, 9, 10, 15, 17 |
| Type: Autonomous | | | |

| | | | | | |
|-------------------------------|----------------------|----------------|-----|-----|---|
| Resolution of practical cases | Realization of works | Personal study | 110 | 4.4 | 5, 3, 16, 12, 1, 10, 11, 15, 13, 14, 18, 17 |
|-------------------------------|----------------------|----------------|-----|-----|---|

Assessment

The overall evaluation of the subject will be the sum of the PEC plus the final evaluation test. To pass the course in addition to taking the final test, two of the three deliveries of the mobility plan scheme must have been completed and the two deliveries plus the final test must pass five.

The work of carrying out a "Scheme of mobility plan and road safety in the company" is an individual work and is one of the basic objectives of the subject and continuous evaluation of the subject.

This work is carried out with a series of three of partial deliveries and evaluable individually and that are phases of a Plan of Mobility (PMV), to realize the evaluation of the work must realize the partial deliveries inside the dates that indicate.

The evaluation of this PEC will be based on the criteria:

- Late deliveries will not be valued.
- If two of the three deliveries are not made, this PEC will not be evaluated.
- This work has an overall and maximum evaluation of 30% of the final grade, therefore, the maximum grade will be three points. Each delivery will be 10% of the final grade of the course.
- The rubric or evaluation criteria will be indicated when the students are given the beginning of the PEC.

CONTINUOUS EVALUATION FINAL TEST

There will be a written test on general aspects of mobility and on legal aspects. This test will have an overall assessment and a maximum of 50% of the final grade.

RECOVERY

In case of not passing the subject in accordance with the criteria mentioned above (continuous assessment), it will be possible to take a recovery test on the date scheduled in the schedule, and which will be about all the contents of the program.

To participate in the recovery of students must have been previously evaluated in a set of activities, the weight of which is equivalent to a minimum of two thirds of the total grade of the subject. However, the grade that will appear in the student's file is a maximum of 5-Passed.

Students who need to change an evaluation date must submit the justified request by filling out the document found in the EPSI Tutoring Moodle space.

PLAGIARISM

Without prejudice to other disciplinary measures deemed appropriate, and in accordance with current academic regulations, "in the event that the student commits any irregularity that may lead to a significant variation in the grade of an assessment act, he / she will be graded with a In this evaluation act, regardless of the disciplinary process that may be instructed, in the event that several irregularities occur in the evaluation acts of the same subject, the final grade of this subject will be 0 ".

SUSPENDED STUDENT'S PREVIOUS COURSES:

The repeaters of this subject must follow the criteria established in this guide to pass the subject.

The tests / exams may be written and / or oral at the discretion of the teacher.

Assessment Activities

| Title | Weighting | Hours | ECTS | Learning Outcomes |
|--|-----------|-------|------|---|
| Final theoretical test continuous evaluation | 50% | 0 | 0 | 12, 1, 13, 17 |
| PEC - Carry out a Mobility Plan Scheme | 30% | 0 | 0 | 3, 16, 8, 4, 12, 6, 1, 9, 7, 10, 11, 13, 18, 17 |
| PEC 2 Carrying out a job related to the content of a mobility plan will be a job | 10% | 0 | 0 | 3, 12, 6, 1, 9, 10, 14, 18 |
| Pec1-Comment on the article on current affairs and related to mobility in the company. | 10% | 0 | 0 | 5, 2, 3, 16, 8, 12, 15, 18 |

Bibliography

The basic bibliography of the course is the manual of the subject, but it should also be complemented with the two reference guides that are indicated below and their links. It can be downloaded in PDF.

IDAE -PTT Guide: Transportation to Work Plans:

https://www.idae.es/sites/default/files/documentos/publicaciones_idae/guia-idae-019_ptt.pdf

and the DGT guide:

https://www.dgt.es/Galerias/seguridad-vial/estrategias-y-planos/seguridad-vial-en-la-empresa/Plan_maquetado.p

These two guides, in addition to the manual of the subject, are basic to be able to carry out the practical part of the subject, during the course the reading of certain sections of these guides will be recommended. As there is no standard that indicates the contents and phases of a mobility and road safety plan in the company, it is advisable to always follow a guide (there are several published by various entities) but these two are the most current and considered as reference and with better content so that they are a reference in any mobility plan in the company.

Software

This subject will use the basic software of the office 365 suite