

Mobility and Road Safety

Code: 105745
ECTS Credits: 6

2024/2025

Degree	Type	Year
2502501 Prevention and Integral Safety and Security	OT	4

Contact

Name: Alfonso Perona Gomez

Email: alfonso.perona@uab.cat

Teachers

Ferran Anguera Salvatella

Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

This subject doesn't have any pre-requierments

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. Effects of the Green Deal on mobility. New elements of urban mobility, effects on companies.

FROM TRANSPORTATION TO MOBILITY. Evolution of mobility and road safety in Europe. White Paper on Transport and Green Paper on urban mobility

MOBILITY IN SPAIN. The Sustainable Economy Law. PMUS and Business Plans. Sustainable mobility law.

ROAD SAFETY AS A HEALTH RISK. WHO reports and public strategies. Road risk analysis. Safety in public transport and differences by sex.

TRAFFIC ACCIDENTS AND ROAD SAFETY. Powers of the administrations. The Traffic Law and road safety. Permission for points. Vial security felony.

ROAD SAFETY AND OCCUPATIONAL RISK PREVENTION. Workplace traffic accidents (ALT). Risk factor in accidents. Road safety training. The new road safety measures applied to the company. Law 18/2021.

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

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Classes where the theoretical	40	1.6	5, 7, 9, 10, 11, 14, 16, 17
Continuous assessment tests	4	0.16	13, 14, 15
Type: Supervised			
Tutorials to support students in the realization of practical work.	12	0.48	4, 12, 15
Type: Autonomous			
Resolution of individual cases	60	2.4	1, 2, 3, 4, 6, 7, 8, 9, 11, 12, 13, 15, 16, 17, 18
Scheduled readings and recensions	34	1.36	1, 3, 5, 7, 8, 11, 14, 16, 17, 18

Attendance at practical classes, either on Saturday or Wednesday, will be mandatory. If you cannot attend, you must communicate and document your non-attendance by sending an email to the professor and a copy to the coordinator.

The outlines and presentations made in class will not be posted in the Moodle classroom, except for some presentations and at the discretion of the teacher.

In face-to-face classes, general aspects and basic knowledge regarding mobility and road safety will be explained.

The subject manual is a complement to the class explanations. These theoretical explanations will provide answers by applying this knowledge to the practical aspects of the general lines of the subject. Intervention and participation in classes will be valued. The reference guides, indicated in the bibliography, on how to make a Mobility Plan are also readable and assessed in the exams.

Students will work outside of class on aspects of expanding knowledge and the practical aspects requested in the continuous evaluation tests.

Classes cannot be recorded, neither sound nor images. If any unauthorized recording is detected, it will be reason for the offender to fail the subject.

The use of cell phones, tablets and computers may only be used in class for academic purposes, such as taking notes. The improper use of these technologies during class and that do not comply with the indicated academic criteria will penalize the student with 3 points in the final evaluation. If there is a recurrence, it may be cause for failing the subject.

In the Moodle classroom, documents of recommended readings, articles or reports that complement or expand the class explanations will be posted, all of which will be evaluable material.

Note: 15 minutes of a class will be reserved within the calendar established by the center or by the degree for students to fill out surveys to evaluate the teaching staff's performance and evaluate the subject or module.

When students need or require tutoring, it will be requested from the teacher's email and it can be done on the class day before or after class.

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.

Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Theoretical tests with questions on general aspects of mobility and legal aspects	50%	0	0	1, 3, 4, 5, 8, 9, 12, 14, 16, 17, 18
individuall work and implementation of a mobility plan in the company.	50%	0	0	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18

The overall evaluation of the subject will be the sum of the PEC delivered plus the evaluation tests.

The work "Mobility and road safety plan" (PMSV) is an individual work that is considered integrated into the transversal work of the fourth year and that serves as a practical case and continuous evaluation of the subject of mobility and road safety. Therefore, this scheme is evaluable for this subject and as part of the transversal work.

In the practical classes on Saturdays and/or Wednesdays, the information on the PEC will be expanded, doubts will be resolved and the practice of the PMSV will be monitored and extensions or explanations may be requested from the students of the work delivered.

The final written exam may be broken down into a partial exam prior to the final. To take this partial exam it will be necessary to have delivered all the requested work.

FINAL CONTINUOUS EVALUATION TEST

There will be a written test on general mobility aspects and legal aspects. The final written exam may be broken down into a partial exam prior to the final. To take this partial exam it will be necessary to have delivered all the requested work. This test will have a global and maximum evaluation of 50% of the final grade.

The recommended bibliography will be a subject that will be evaluated in the final test of the subject.

RECOVERY

If you do not pass the subject according to the aforementioned criteria (continuous evaluation), a make-up test may be taken on the date scheduled in the schedule, which will cover the entire contents of the program.

To participate in the recovery, 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 for the subject. However, the grade that will appear in the student's file is a maximum of 5-Pass.

Students who need to change an evaluation date must present the justified request by filling out the document that you will find in the EPSI Tutoring Moodle space.

PLAGIARISM

Without prejudice to other disciplinary measures that may be deemed appropriate, and in accordance with current academic regulations, "in the event that the student makes any irregularity that may lead to a significant variation in the grade of an evaluation act, he or she will be graded with a 0 this act of evaluation, regardless of the disciplinary process that may be instituted in the event that they occur.

several irregularities in the evaluation acts of the same subject, the final grade for this subject will be 0".

STUDENTS SUSPENDED FROM PREVIOUS COURSES:

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

UNIQUE ASSESSMENT

Students who opt for the single assessment will take a final synthesis test of all the content of the subject and hand in all of the subject's work.

The date for this test and the delivery of the subject's work will be the same scheduled in the schedule for the last continuous assessment exam.

The same recovery system as for continuous assessment applies.

Bibliography

Recommended bibliography:

At the beginning of the course, a PDF document will be provided that is considered a manual or reference for the subject.

The basic bibliography of the course, in addition to the readings that will be provided, must be complemented with the two reference guides that are indicated below their links. It can be downloaded in PDF.

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-planes/seguridad-vial-en-la-empresa/Plan_maquetado.p

These two guides, in addition to the readings of the subject are basic to be able to carry out the practical part of the subject, during the course the obligatory reading of certain sections of these guides will be indicated.

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 those considered as reference and with better content so that they are a reference in any mobility plan in the company.

Recommended reading:

"Ciudad y Movilidad. La regulación de la movilidad urbana sostenible". Andres Boix Palop y Reyes Marzal Raga.

Ediciones PUV-publicaciones Universidad de Valencia 2014.

Software

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

Language list

Name	Group	Language	Semester	Turn
(TE) Theory	1	Catalan/Spanish	first semester	afternoon
(TE) Theory	2	Catalan/Spanish	first semester	afternoon