

Degree programme	Type	Course
Prevention and Integral Safety and Security	OP	4

Contact lecturer

Name : Alfonso Perona Gomez

Email : alfonso.perona@uab.cat

Teaching staff

Mèrida Iglesias Lucia

Ferran Anguera Salvatella

Group languages

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

Prerequisites

This subject doesn't have any pre-requierments

Objectives

- Know the importance of people in Mobility, as distinct from transport elements.
- Know how Mobility affects people's road safety.
- Know international trends in the environment and mobility
- Know Spanish regulations on sustainable mobility and their implication in the company
- Know and differentiate the regulations that regulate mobility and road safety issues.
- Know transport safety.
- Know the instruments for planning mobility and road safety, applied to the company.
- Know the sector's guides and the practical aspects necessary to implement a mobility and road safety plan in a company

Learning outcomes

1. Coordinate the resources of the three main subsystems of the prevention and integral security sector: people, technology and infrastructures.
2. Use the capacity for analysis and synthesis to solve problems.
3. Respond to problems applying knowledge to practice.
4. 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.
5. 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.

6. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
7. Propose new methods or well-founded alternative solutions.
8. Critically analyse the principles, values and procedures that govern professional practice.
9. Analyse the sex- or gender-based inequalities and the gender biases present in one's own area of knowledge.
10. Propose viable projects and actions that promote social, economic and environmental benefits.
11. Draw up management proposals for prevention and security in an organisation.
12. Identify, develop or acquire and maintain the main resources necessary to respond to tactical and operational needs inherent in the prevention and security sector.
13. Analyse the preventative interventions in matters of security, environment, quality and social corporate responsibility and identify the inherent risk factors.
14. Take a preventative view in the area of security.
15. Work and learn autonomously.
16. Know how to communicate and transmit ideas and result efficiently in a professional and non-expert environment, both orally and in writing.
17. Make efficient use of ITC in the communication and transmission of results.
18. Analyse the situation and identify the points that are best.

Contents

CONTENTS:

The contents of the subject are grouped into Training Blocks that will be developed during the course and complemented with the material that will be available in the bibliography or recommended readings section of the virtual classroom.

1. EVOLUTION FROM TRANSPORT TO MOBILITY.

Concept of mobility. Evolution of mobility models. Mobility in the European Union. White Paper on Transport. Mobility and the City: trends. Effects of mobility and road safety in the workplace.

Relationship between mobility and occupational risk prevention.

2. MOBILITY AND ROAD SAFETY REGULATIONS.

Mobility laws in Europe. Example of France.

Mobility law in Spain and Catalonia. Concepts and analysis of the regulations.

Traffic and circulation regulations. Differences between crimes and infractions.

Risk factors in traffic. Accident rates in Spain and Europe.

European objectives for accidents. Vision Zero.

Driver's permits and licenses. Certificate of Professional Competence (CAP)

3. COMMUTING AND ROAD SAFETY PLANS

Concept, objectives. Design and implementation.

Structure of a Mobility and Safety Plan

Guidelines for creating a Workplace Mobility Plan.

IDAE - Decalogue of the "10 Golden Rules of Commuting"

Concept of active mobility. The carbon footprint.

Road safety in the workplace. Training and awareness.

Psychosocial factors and fatigue. Risks during commutes.

Work-related accidents (WRA), human and behavioral factors

Vehicle classes and types, and ADAS systems

4. PUBLIC AND SHARED TRANSPORT

Safety in public transport. Case studies: Barcelona metro and bus

Safety and gender in public transport.

Railway situation in Spain. Commuter rail as an alternative.

Understanding the historical situation of the Mediterranean Corridor.

Road safety audits.

Learning activities and methodology

Title	Hours	ECTS	Learning outcomes
Resolution of individual cases	60	2.4	
Tutorials to support students in the realization of practical work.	12	0.48	
Scheduled readings and recensions	34	1.36	
Continuous assessment tests	4	0.16	
Classes where the theoretical	40	1.6	

Due to unforeseen circumstances that prevent the normal development of the course, the teaching staff may modify both the methodology and the evaluation system.

The diagrams and presentations created in class will not be uploaded to the course's virtual classroom (Moodle), except at the professor's discretion, and will be assessed in the final exam.

In face-to-face classes, general aspects and basic knowledge of mobility and road safety will be explained, following the course content, but this should be supplemented with the reading materials provided through the virtual classroom.

The course manual, which will be provided in the virtual classroom readings, complements the class explanations. These theoretical explanations will provide answers by applying this knowledge to the practical aspects of the course's general guidelines.

Participation and involvement in class will be assessed. The reference guides, indicated in the bibliography, on how to create a Mobility Plan are also required reading and will be assessed in the exams. In the Moodle virtual classroom, documents containing recommended readings, articles, or reports that complement or expand upon the class explanations will be uploaded. All of this material will be graded unless otherwise indicated by the professor.

Students will work outside of class on expanding their knowledge and completing the practical exercises required for continuous assessment. Classes may not be recorded, either audio or video. Any unauthorized recording will result in the offender failing the course.

The use of mobile phones, tablets, and computers is only permitted in class for academic purposes, such as note-taking. Improper use of these technologies during class that does not conform to the stated academic criteria will result in a 3-point deduction from the final grade. Repeated offenses may result in failing the course.

Students who need or require tutoring should request it via email to the professor. Tutoring can take place on the day of class, before or after the class, or a specific date and time can be arranged with the professor.

Language of Instruction: Catalan. Materials provided in Catalan and/or Spanish.

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

Continuous assessment activities

Title	Weight	Hours	ECTS	Learning outcomes
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
Final written exam with questions on the subject's syllabus.	50%	0	0	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 13, 14, 16, 17, 18

Due to unforeseen circumstances that prevent the normal development of the course, the instructors may modify the course assessment system.

The overall course grade will be the sum of the grades for assignments completed during the course and written exams or assessment tests with questions on course content.

Attendance at practical classes, either on Saturday or Wednesday, is mandatory. If you cannot attend, you must notify the instructor and provide written justification for your absence by sending an email to the instructor and a copy to the course coordinator.

In these practical classes, with prior notice, graded assessment tests may be administered. Attendance will be taken in all other classes as a means of monitoring attendance.

Among the assessable tasks for this course, a "Workplace Mobility and Road Safety Plan" will be developed. This is an individual assignment for the "Mobility and Road Safety" course and is considered part of the fourth-year Cross-Curricular Project; therefore, it should not be completed or submitted as part of the course's cross-curricular project.

Passing the course:

There will be a final written test or exam covering general aspects of mobility and legal issues. This test will

have an overall weighting and will account for a maximum of 50% of the final grade.

To pass the course, a minimum of 2.5 points is required on the assessment tests and 2.5 points on the final exam. Failure to achieve these scores will result in the course being considered non-assessable. Even if 5 points are obtained on the PECs (Continuous Assessment Exercises), the final exam must be taken.

For the final exam, only pens, pencils, or other writing instruments and ID cards are permitted. Phones, tablets, laptops, smartwatches, or any other electronic devices are not allowed.

RETAKE

If the course is not passed according to the aforementioned criteria (continuous assessment), a retake exam may be taken on the scheduled date, which will cover all the course content. To take this retake exam, a minimum score of three is required; scores below this will result in the course being considered non-assessable.

To participate in the recovery process, students must have been previously assessed in a set of activities, the weight of which is equivalent to at least two-thirds of the total grade for the subject. The grade recorded on the student's transcript in the case of recovery will be a maximum of five (pass).

Students who need to change an assessment date must submit a justified request, completing 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, if a student commits any irregularity that could lead to a significant change in the grade for an assessment, that assessment will be graded with a zero "0", regardless of any disciplinary proceedings that may be initiated.

If several irregularities occur in the assessments of the same subject, the final grade for that subject will be zero "0".

Plagiarism STUDENTS WHO FAILED PREVIOUS COURSES:

Students repeating this course must follow the criteria established in this guide to pass the course.

SINGLE ASSESSMENT

"THIS COURSE DOES NOT PROVIDE FOR A SINGLE ASSESSMENT SYSTEM."

USE OF ARTIFICIAL INTELLIGENCE

For this course, the use of Artificial Intelligence (AI) technologies is permitted exclusively for support tasks, such as bibliographic or information searches, text correction, or translations. Students must clearly identify which parts were generated using this technology, specify the tools used, and include a critical reflection on how these tools influenced the process and the final result of the activity. Lack of transparency regarding the use of AI in this assessable activity will be considered academic dishonesty and may result in a partial or full penalty on the activity grade, or more severe sanctions in serious cases.

Bibliography

BIBLIOGRAPHY

At the beginning of the course and throughout its development, a PDF document will be provided which is considered the manual or reference for the subject and will be available in the Virtual Classroom, as well as the

rest of the basic bibliography of the course, in addition to the readings that will be provided and should be supplemented with the reference guides that will also be provided in the virtual classroom of the subject.

Software

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

Course groups and languages

The information provided is provisional until November 30. After this date, you will be able to consult the language of each group through this [link](#). To access the information, you will need to enter the course CODE

Type of teaching	Group	Language	Semester	Shift
(TE) Theory	1	Catalan/Spanish	first semester	afternoon
(TE) Theory	2	Catalan/Spanish	first semester	afternoon