UAB
Universitat Autònoma de Barcelona

Safety in the Workplace

Code: 101830
ECTS Credits: 6

2025/2026

Degree	Type	Year
Prevention and Integral Safety and Security	OT	4

Contact

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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

Training goals
Properly identify and assess risks.
Know preventive activities to eliminate or control risks such as accident investigations.
Know how to evaluate certain types of risks (work spaces, work teams, chemicals....).
Know the differences between an emerging plan and a self-protection plan and be able to develop the basic slogans for a center or activity.
Know for each theme the technical regulations of reference.

Competences

- Act with ethical responsibility and respect for fundamental rights and duties, diversity and democratic values.
- Be able to adapt to unexpected situations.
- Carry out analyses of preventative measures in the area of security.
- Communicate information , ideas, problems and solutions to both specialised and non-specialised publics.
- Generate innovative and competitive proposals in research and in professional activity developing curiosity and creativity.
- Have a general understanding of basic knowledge in the area of prevention and integral safety and security.
- 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.
- Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.
- Students must have and understand knowledge of an area of study built on the basis of general secondary education, and while it relies on some advanced textbooks it also includes some aspects coming from the forefront of its field of study.
- 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 in institutional and interprofessional networks.

Learning Outcomes

1. Apply systems of responsibility and management models particular to models of labour risk prevention management.
2. Be able to adapt to unexpected situations.
3. Coordinate the resources of the three main subsystems of the prevention and integral security sector: people, technology and infrastructures.
4. Critically analyse the principles, values and procedures that govern professional practice.
5. Generate innovative and competitive proposals in research and in professional activity developing curiosity and creativity.
6. Identify the most common labour risk factors.
7. Implement and evaluate a plan for labour risk prevention in an organisation.
8. Propose projects and actions that incorporate the gender perspective.
9. Respond to problems applying knowledge to practice.
10. 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.
11. 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.
12. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
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15. Use the capacity for analysis and synthesis to solve problems.
16. Work in institutional and interprofessional networks.

Content

Introduction. Working conditions and health.
Risk typology.
Accidents/Incidents.
Accident/incident investigation.
Risk analysis. Risk assessment.
Monitoring of corrective measures.
Analysis, assessment and control of risk. Workspaces and Technical Building Code

Emergency and self-protection plans
Analysis, assessment and control of risk. Product safety (machines and work equipment).
Guards and devices.
Personal protective equipment.
Signaling

Analysis, assessment and control of risk. Other work teams
Mobile and load lifting equipment.
Facilities
Scaffolding and Manual Stairs.
Storage
Fire
Explosions
Electrical Risk

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Practical classes	4	0.16	
Theorical classes	40	1.6	
Type: Supervised			
Tutoring	12	0.48	
Type: Autonomous			
Research and reading	18	0.72	
Study	38	1.52	
Task development	38	1.52	

Teaching language: English

The face-to-face classes correspond to an interactive methodology in which the teacher will explain for a few minutes the theory of the subject matter of the study and the students, from these explanations and from the previous preparation they have done, will discuss concrete real situations or laboratory .

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.

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Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Continuous evaluation assestments	50%	0	0	2, 4, 1, 3, 9, 5, 6, 7, 8, 14, 13, 12, 10, 11, 16, 15

Exams	50%	0	0	2, 4, 1, 3, 9, 5, 6, 7, 8, 14, 12, 10, 11, 16, 15

In the Moodle classroom of the subject the works, exercises and tests of continuous evaluation will be specified.

CONTINUOUS ASSESSMENT

There will be two individual PECs corresponding to the topics studied in the course. Each PEC has a weight of 50% of the final grade of the course. The remaining 50% corresponds to the completion of two theoretical exams.

In order to have the subject evaluated, it will be necessary to obtain at lea

The exam is averaged with continuous evaluation regardless of the grade obtained from a 3.

The total weighted average must be 5 points or higher in order to pass.

SINGLE EVALUATION

Students who opt for the single assessment will take a final synthesis test of all the content of the subject with a theoretical part and a practical part.

The date for this test and the delivery of the work of the subject will be the same scheduled in the timetable for the last continuous evaluation exam.

The same recovery system will be applied as for the continuous evaluation.

EVALUATION OF THE STUDENTS IN SECOND OR MORE SUMMONS

Students who repeat the course will have to take the scheduled tests and exams and hand in the course work on the dates indicated in the Moodle classroom.

SECOND CHANCE EXAMINATION

The student who does not pass the course, who does not reach 5 (total) out of 10, according to the criteria established in the two previous sections may take a final examen. If the student has notbeen evaluated of these two thirds because he/she has not taken the tests, he/she will obtain a grade of Not Presented, without the possibility of taking the final exam.

In this exam the whole of the contents of the subject that have not been passed in the continuous evaluation will be re-evaluated.

In the case of passing the final exam, the course will be approved with a maximum of 5, regardless of the grade obtained in the exam.

NOT EVALUABLE

Those students who have been evaluated on a set of activities, the weigh

CHANGE OF DATE OF A TEST OR EXAMINATION

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

Once the document has been filled in, it must be sent to the professor of the subject and to the coordination of the Degree.

REVIEW

At the time of each evaluation activity, the faculty will inform the students of the grade review mechanisms.

For single evaluation students, the review process will be the same.

OTHER CONSIDERATIONS

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

If during the correction there are indications that an activity or work has been done with answers assisted by artificial intelligence, the teacher may supplement the activity with a personal interview to corroborate the authorship ofthe text.

If there are unforeseen circumstances that prevent the normal development of the course, the teacher may modify both the methodology and the evaluation of the course.

In this subject, the use of Artificial Intelligence (AI) technologies is allowed as an integral part of the development

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

Bibliography

COMPLEMENTARY BIBLIOGRAPHY

Bestraten Belloví, Manuel. (2003) Instituto Nacional de Seguridad e Higiene en el Trabajo, *Seguridad en el Trabajo*.

Instituto Nacional de Seguridad e Higiene en el Trabajo, Web del Ministerio de Empleo y Seguridad Social, recuperat juliol 2012 a: http://www.insht.es/portal/site/Insht/

Software

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

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this link. To consult the language you will need to enter the CODE of the subject.

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