

**Practicum I**

Code: 104687  
ECTS Credits: 6

**2025/2026**

Degree	Type	Year
Prevention and Integral Safety and Security	OB	2

## Contact

Name: Juan Antonio Sierra Baz

Email: juanantonio.sierra@uab.cat

## Teachers

Juan Antonio Sierra Baz

## 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

The security project is the basic tool that has to be handled by the private security professional, especially in its management aspect or security management, in user companies, they must be contained from the risk analysis, - the statistical studies on events and causes, - the legal framework with the inexcusable obligations and imperatives, but also the limitations, - the organization and management models of both material and human resources, - decision making, - knowledge of the state of the arts of technology applicable, - the procedures for action; the connection with the business or social philosophy and ethics, up to the cost benefit analysis of the implemented security measures and likewise, not to be exhaustive, other elements that are part of the course curriculum.

The subject of PRACTICUM I pursues the purpose of placing the theoretical knowledge acquired in the first year subjects and in parallel to which they acquire during the first semester in practical applications much closer to the real practice in which they will find themselves when practicing the profession for which they are preparing. In this first project we will focus on the realization of a comprehensive security project undertaken as an industrial or commercial activity, generally inserted in an industrial, logistics or service area. Each student individually will choose and propose to the teacher, for approval, a different company that can obtain sufficient information about it, and that can be visited physically. In another case, the teacher will assign a model example. On the approved proposal, the student will develop their individual project that will be evaluated throughout the semester. We will classify the diversity of activities that are carried out, understanding the common problems and risks that arise from the joint location of all the agglutinated companies, and simultaneously the differentiated problems of each of them, by virtue of their specificities, especially the activity

they develop, the architectural configuration, the dimension, and the particular cosmogony. In these subjects of second year, for not having studied the technical subjects that bring the students to the knowledge of the equipment, and security systems; the alternative options within the study of solutions can only be generic approaches, having to do greater support in this subject in the most advanced course projects.

#### TRAINING OBJECTIVES

- Learn to identify and evaluate the different risks that affect companies and institutions and by virtue of this analysis, consign objectives and design protection programs, consistent, effective and efficient.
- Apply knowledge about the usual operations (modus operandi) used in criminal risks, or physical laws that are met in technological or catastrophic risks, to be able to virtually create scenarios and risk scenes.
- Manage the tables, which will be provided to the student, for the qualitative and quantitative analysis of the risks.
- Understand the concepts of valuation for its correct application and completion.
- Develop the ability to draw conclusions from them and develop and design prevention and protection strategies, with the primary objective of preventing harm, or minimize them if possible. For this it is essential to know equipment, the state of the available technical arts, systems and protection strategies that are the subject of other subjects and that, in this first course of Practicum, they will only be able to know in an incipient way.
- Initiation to the elaboration of operative plans, protocols and procedures of action and prevention.

#### 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.
- Carry out scientific thinking and critical reasoning in matters of preventions and security.
- Efficiently manage human resources.
- Evaluate the technical, social and legal impact of new scientific discoveries and new technological developments.
- Generate innovative and competitive proposals in research and in professional activity developing curiosity and creativity.
- Identify the resources necessary to respond to management needs for prevention and integral security.
- Make changes to methods and processes in the area of knowledge in order to provide innovative responses to society's needs and demands.
- 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 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 situation and identify the points that are best.
2. Carry out scientific thinking and critical reasoning in matters of preventions and security.
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. Design a project applied to integral security and prevention in an organisation.
6. Design and implement recovery plans following disasters and mechanisms for contingencies.
7. Evaluate the technical, social and legal impact of new scientific discoveries and new technological developments.
8. Generate innovative and competitive proposals in research and in professional activity developing curiosity and creativity.
9. Identify the infrastructure, technology and resources necessary to respond to operations in prevention and integral security.
10. Propose new methods or well-founded alternative solutions.
11. Propose projects and actions in accordance with the principles of ethical responsibility and respect for fundamental rights and responsibilities, diversity and values democráticos.
12. Propose projects and actions that incorporate the gender perspective.
13. Propose viable projects and actions that promote social, economic and environmental benefits.
14. Respond to problems applying knowledge to practice.
15. Select the minimum resources for efficient risk management.
16. 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.
17. 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.
18. Students must be capable of communicating information, ideas, problems and solutions to both specialised and non-specialised audiences.
19. Students must develop the necessary learning skills to undertake further training with a high degree of autonomy.
20. 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.
21. Use the capacity for analysis and synthesis to solve problems.
22. Work and learn autonomously.

## Content

The subject has a manual where the basic theoretical contents are reflected.

### Unit 1

Overview and structure of security projects and risk prevention in industrial - commercial - residential and corporate buildings environment.

The risk cycle of risk analysis.

Index of the 10 + 1 steps objective of the DECA method. Strategic concepts.

Swot analysis.

Quantitative value. Inventory. Planimetry.

### Unit 2

Qualitative assessment.

Customized risk - root of risks.

Staged risk catalogue.

The quantitative assessment.

The table 5d-3.

### Unit 3

Decision making.

Choice of alternatives.

The decision theory applied to the choice between prevention and safety strategies.

Mathematical models: in certainty - risk - uncertainty - competition.

Effectiveness of alternatives.

Chosen protection design.

Unit 4

Implementation.

Planning systems.

Communication and training.

Plan iconography.

Organization and functional assignment.

The congruence analysis.

Sensitivity analysis - impact assessment of new systems and procedures.

The cost / benefit balance.

Complementation and correction.

Rear situation risk analysis.

Restart of the continuous cycle.

## Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Exam	4	0.16	4, 1, 3, 2, 14, 8, 9, 10, 20, 19, 18, 16, 17, 15, 21, 7
Theoretical and practical classes with the participation of students	40	1.6	4, 1, 3, 2, 6, 5, 14, 8, 9, 10, 11, 12, 13, 20, 19, 18, 16, 17, 15, 22, 21, 7
Type: Supervised			
Tutorials with students	12	0.48	4, 1, 3, 2, 6, 5, 14, 8, 9, 10, 11, 12, 20, 19, 18, 16, 17, 15, 22, 21, 7
Type: Autonomous			
Elaboration of the Project and individual study	94	3.76	4, 1, 3, 2, 6, 5, 14, 8, 9, 10, 11, 12, 13, 20, 19, 18, 16, 17, 15, 22, 21, 7

Teaching language: Spanish

Autonomous activities will correspond to both personal study and the resolution of exercises and assignments proposed by the teacher. Each student must investigate documentation of topics related to the subject under study and personal consolidation work on what was presented in class. You will also have to monitor and study different exercises and practical cases. Tutorials with the teaching staff will be arranged by email.

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	Weighting	Hours	ECTS	Learning Outcomes
-------	-----------	-------	------	-------------------

Final Assessment Test	20%	0	0	4, 1, 3, 2, 14, 8, 9, 20, 19, 18, 16, 17, 15, 21, 7
Progression, continuity and participation	30%	0	0	1, 2, 5, 14, 8, 10, 12, 13, 20, 19, 18, 16, 17, 15, 22, 21
Project	50%	0	0	4, 1, 3, 2, 6, 5, 14, 8, 9, 10, 11, 12, 20, 19, 18, 16, 17, 15, 22, 21, 7

## CONTINUOUS ASSESSMENT

There will be five individual PECs corresponding to the topics studied in the course. Each PEC has a weight of 10% of the final grade of the course. The remaining 20% corresponds to the theoretical exam. The remaining 30% corresponds to progression, participation and continuity.

The exam averages with the continuous evaluation regardless of the grade obtained.

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

## 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 exam provided that the student has been evaluated in a set of activities, the weight of which is equivalent to a minimum of two thirds of the total grade of the course. If the student has not been 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.

## 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 of the 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.

#### Use of IA

In this course, the use of Artificial Intelligence (AI) technologies is not permitted at any stage. Any work that includes AI-generated content will be considered a breach of academic integrity and may result in a partial or total penalty in the activity's grade, or more severe sanctions in serious cases.

## Bibliography

This subject has a manual where the specific bibliography of the same is specified.

#### Private security code

Agencia Estatal Boletín Oficial del Estado. (2021). Código de Seguridad Privada. Madrid. Retrieved from [https://www.boe.es/biblioteca\\_juridica/codigos/codigo.php?id=058\\_Codigo\\_de\\_Seguridad\\_Privada&modo=2](https://www.boe.es/biblioteca_juridica/codigos/codigo.php?id=058_Codigo_de_Seguridad_Privada&modo=2)

## 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