

**Practicum II**

Code: 104688  
ECTS Credits: 6

Degree	Type	Year	Semester
2502501 Prevention and Integral Safety and Security	OB	2	2

The proposed teaching and assessment methodology that appear in the guide may be subject to changes as a result of the restrictions to face-to-face class attendance imposed by the health authorities.

**Contact**

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**Use of Languages**

Principal working language: catalan (cat)  
Some groups entirely in English: No  
Some groups entirely in Catalan: No  
Some groups entirely in Spanish: No

**Prerequisites**

This subject doesn't have any pre-requierments

**Objectives and Contextualisation**

The security project is a basic tool for the security professional, public or private, varying the approaches and application tools depending on the type of risks and the nature of the spaces (open or fenced) and the activities carried out in it. (public, private or mixed).

In this regard, the measurement of the value and cost of the risks will be different, as well as the nature of the resources contributed. The subject Practicum II pursues the purpose of placing the theoretical knowledge acquired in the subjects treated until today, and in parallel those that will be taught throughout the semester itself. Complementary methodologies and alternative points of view will be explained and applied to the model followed in the first semester project.

As a novelty in relation to Practicum I, it will be the introduction of the concept of social utility function, the consideration of the preferences surveyed and the cost and benefit of public projects that benefit and affect collectivities. The chosen model is risk analysis and the application of adequate prevention and reaction systems and procedures in a municipal environment. Each student will choose the municipality where he / she resides or works or that he / she can know in depth. It will do so from the perspective of a professional, who integrated or hired by the municipal entity will try to locate the panoply of risks of the municipality itself, paying special attention to those of an environmental or catastrophic nature, to those of an industrial nature generated in the municipality itself or in its borders, with diffusion capacity or generalized affectation, and those derived from activities with mass concurrence or criminal activities that take place in public spaces.

The work will be carried out, preferably, individually or exceptionally in groups of no more than three components, in any case justified.

**TRAINING OBJECTIVES**

- Learn to identify and evaluate problems that can generate risks and the different risks, both environmental, catastrophic, industrial derived from activities located in the municipality or events of the perimeter, such as those generated by activities of public concurrence, and those of a criminal nature or antisocial that can take place in public spaces at the municipal level.
- Apply knowledge about the physical laws on which the catastrophic risks operate and the casuistry and modus operandi of the criminal risks, in order to prevent scenarios and scenes of risk events. Know methods and valuation system for different situations.

- Understand and apply the correct application of them.
- Train to obtain the appropriate conclusions and develop preventive and defensive strategies in relation to the different situations posed.
- Create action plans based on the index of social utility preferences and within the limitations of the availability of media.
- Prepare operational plans, protocols and prevention procedures, reaction action.
- Know and apply the state of the applicable arts in open environments and for public use, or fenced and private with mass influx

## Competences

- 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.
- 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.
- Use the capacity for analysis and synthesis to solve problems.
- Work and learn autonomously.

## Learning Outcomes

1. Carry out scientific thinking and critical reasoning in matters of preventions and security.
2. Coordinate the resources of the three main subsystems of the prevention and integral security sector: people, technology and infrastructures.
3. Design a project applied to integral security and prevention in an organisation.
4. Design and implement recovery plans following disasters and mechanisms for contingencies.
5. Evaluate the technical, social and legal impact of new scientific discoveries and new technological developments.
6. Generate innovative and competitive proposals in research and in professional activity developing curiosity and creativity.
7. Identify the infrastructure, technology and resources necessary to respond to operations in prevention and integral security.
8. Respond to problems applying knowledge to practice.
9. Select the minimum resources for efficient risk management.
10. Use the capacity for analysis and synthesis to solve problems.
11. Work and learn autonomously.

## Content

1. General Data of the Municipality 1.1. History, Orographic configuration, Climate, meteorological phenomena. 2. Population. Age pyramid Zonal Distribution and Configuration by Activity 3. Roads, infrastructures and public services 4. Equipment and social data. Social segmentation by classes, religion, culture, income. 5. Public goods. 6. External effects. 7. Social Utility. Preferences Revealed. The Survey 8. Problem Analysis. Sheets and trees 9. Decision and evaluation of public and social projects. Environmental impacts. Matrix of the logical framework. 10. Measurement and management of risks in public areas. Tolerance criteria 11. Study of accidental, catastrophic and social risks 12. Security action in the public sphere. Theories of action 13. Risk Assessment. Qualitative and quantitative matrices 14. Methods and Models of Risk Analysis. Algorithmic. QPS. HAZID. 14 HAZOP Methods. FTA 15. Assessment quantification Risks 16. Catalog of solutions. Proposed solutions and operations, for analyzed risks

## Methodology

Theoretical classes in the classroom will combine master classes, which will take up most of the time, and the development of examples.

The practical classes in the classroom, divided into two groups, will consist of the development of the chosen work and the application of theoretical knowledge with the use of applications of calculations and risk analysis.

The autonomous activities will correspond both to the personal study and to the resolution of the exercises and works proposed by the teacher. Each student will have to look for documentation of subjects related to the subject object of study and personal works of consolidation on what has exposed in class. You will also need to follow up and study different exercises and case studies. Tutorials with teachers will be arranged by email

## Activities

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Theoretical and practical classes with the participation of students	44	1.76	2, 1, 4, 3, 8, 6, 7, 9, 11, 10, 5
Type: Supervised			
Tutorials with students	12	0.48	2, 1, 4, 3, 8, 6, 7, 9, 11, 10, 5
Type: Autonomous			
Elaboration of the Project and individual study	94	3.76	2, 1, 4, 3, 8, 6, 7, 9, 11, 10, 5

## Assessment

The final grade of the course will be:

50% PROJECT

30% FINAL TEST OF THE SUBJECT

20% PROGRESSION, CONTINUITY AND PARTICIPATION

In order to add the grades, the FINAL TEST OF THE SUBJECT must be passed.

. This test may be oral at the teacher's discretion.

Re-evaluation

In case of not passing the subject according to the aforementioned criteria (continuous evaluation), a recovery test may be done on the date scheduled in the schedule, and it will cover the entire contents of the program.

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

- Students who need to change an evaluation date must submit the request by filling in the document that you will find in the moodle space of Tutorial EPSI.

Plagiarism

Without prejudice to other disciplinary measures deemed appropriate, and in accordance with current academic regulations, "in the event that the student makes any irregularity that could lead to a significant variation in the grade of an evaluation act, it will be graded with a 0 This evaluation act, regardless of the disciplinary process that can be instructed In case of various irregularities occur in the evaluation acts of the same subject, the final grade of this subject will be 0 ". The tests / exams may be written and / or oral at the discretion of the teaching staff.

## Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
Assessment of project deliveries	20%	0	0	2, 1, 4, 3, 8, 6, 7, 9, 11, 10, 5
Final Assessment Test	30%	0	0	2, 1, 4, 3, 8, 6, 7, 9, 11, 10, 5
Project	50%	0	0	2, 1, 4, 3, 8, 6, 7, 9, 11, 10, 5

## Bibliography

This subject has a Manual, where the specific bibliography of the same is specified