Universitat Autònoma de Barcelona

2020/2021

Practicum I

Code: 104687
ECTS Credits: 6

Degree	Type	Year	Semester
2502501 Prevention and Integral Safety and Security	OB	2	1

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

Teachers

Juan Antonio Sierra Baz

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

- 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

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
QUALITATIVE ASSESSMENT
CUSTOMIZED RISK - ROOT OF RISKS
STAGED RISK CATALOG
THE QUANTITATIVE ASSESSMENT
THE TABLE 5D-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
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

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	1, 4, 3, 8, 6, 7, 9, 11, 10, 5

Assessment

Continuous evaluation
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.
RECOVERY
The approval by this route, or by the route of the recovery will suppose a 5 like maximum note in the file of the student In case of not surpassing the asignatura in agreement with the criteria before mentioned (continuous evaluation), it will be possible to do a test of recovery in the date programmed in the schedule, and that will turn on the totality of the contents of the program. To participate in the recovery students must have been previously assessed in a set of activities, the weight of which is equivalent to a minimum of two thirds of the total grade of the subject. However, the grade that will appear in the student's transcript is a maximum of 5-Passed.
Students who need to change an assessment date must submit the application by filling out 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, "in the event that the student commits any irregularity that may lead to a significant variation in the grade of an assessment act. , this assessment act will be graded with a 0, regardless of the disciplinary process that may be instructed, in case there are several irregularities in the assessment 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 teacher

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