

Academic Year: ( 2022 / 2023 )

Review date: 20-06-2022

Department assigned to the subject: Mechanical Engineering Department, Transversal matters

Coordinating teacher: LUIS GARCÍA, JUAN

Type: Compulsory ECTS Credits : 6.0

Year : 4 Semester : 1

## REQUIREMENTS (SUBJECTS THAT ARE ASSUMED TO BE KNOWN)

Ciencias Forenses I

## OBJECTIVES

Correctly apply the methods, procedures and techniques of investigation to the resolution of crimes and crimes. Clarification of events.

To know the methods, procedures and techniques of investigation that, from the point of view of technology to assist in the investigation of events.

## DESCRIPTION OF CONTENTS: PROGRAMME

Technologies applied to obtaining data and traces. Document and object identification: Systems automatic investigation (ballistics and instrumental traces), forensic computer graphics. Methodology and Procedures based on quality systems. Scientific intelligence. Expertise.

## LEARNING ACTIVITIES AND METHODOLOGY

It includes classroom activities with the support of the teacher and not classroom activities.

ECTS: 2.4 credits of each subject of 6 ECTS, or 1.2 credits of each subject of 3 ECTS, correspond to classroom work of the student with the support of the teaching staff (master classes, classes to solve problems and questions in small groups, laboratory classes, presentations of students).

Non-presential ECTS: 3.6 credits of each subject of 6 ECTS, or 1.8 credits of each subject of 3 ECTS, correspond to the student's personal work (including study, work, tests and exams), etc.).

50% of training activities (3 ECTS in 6ECTS subjects, or 1.5 ECTS in 3 ECTS subjects) are oriented to the acquisition of theoretical knowledge. The remaining 50% is oriented towards the acquisition of practical skills related to the programme of each subject.

## ASSESSMENT SYSTEM

The evaluation system includes the partial evaluation of the student's work (work, laboratory practice reports and/or tests to evaluate skills and theoretical and practical knowledge) and the final evaluation through a final written examination in which the knowledge, skills and abilities acquired during the course will be evaluated in a global way. Therefore, the percentages assigned in the course will be the following: 60% (partial assessment) and 40% (final assessment).

Within the partial assessment, the subject is divided into three different Didactic Units (UD 1, UD 2, UD 3) that will have the same specific weight (arithmetic mean), and each UD will consist of papers and/or tests of theoretical-practical evaluation (partial exams). In the event that there are papers and partial exams within the same DU, the specific weight of each paper in that DU will be the following: 60% (partial exam) and 40% (homework).

With regard to the final assessment, all students must take a final written examination, which will have the value specified in the initial paragraph.

<b>% end-of-term-examination:</b>	40
<b>% of continuous assessment (assignments, laboratory, practicals...):</b>	60

#### BASIC BIBLIOGRAPHY

- Antón Barberá, F., J.V. De Luis y Turégano Manual de Técnica Policial, Policia, 1991
- Bodziak, W.J. Footwear Impression Evidence, CRC Press, 2000
- BÁÑEZ PEINADO, José TÉCNICAS DE INVESTIGACIÓN CRIMINAL, Dykinson S.L., 2012
- Moreno González, L.R. Balística forense, Mexico, 1986
- Sáez Martínez, Julio CIENCIAS FORENSES II: Grafística. Fundamentos., Centro Universitario de la Guardia Civil, 2018
- VERON BUSTILLO, EMILIO JAVIER CIENCIAS FORENSES II (PARTE I): BALISTICA Y TRAZAS INSTRUMENTALES, CENTRO UNIVERSITARIO DE LA GUARDIA CIVIL, 2016