COURSE DATA

Data Subject	
Code	35077
Name	Scientific Police
Cycle	Grade
ECTS Credits	7.5
Academic year	2023 - 2024

Study (s)

Degree	Center	Acad. year	Period
1302 - Degree in Criminology	Faculty of Law	3	First term
1923 - D.D. in Law-Criminology	Faculty of Law	4	Annual

Subject-matter

Degree	Subject-matter	Character
1302 - Degree in Criminology	15 - Forensic techniques	Obligatory
1923 - D.D. in Law-Criminology	5 - Year 4 compulsory subjects	Obligatory

Coordination

Name	Department
PLANELLS GARCES, JOSE FRANCISCO	72 - Criminal Law
SANCHEZ VILLAESCUSA, JOSE MIGUEL	72 - Criminal Law

SUMMARY

Descriptive summary of the subject

Forensic Science is part of the subject Scientific Techniques, included in the degree course with a total of 31.5 Cr. encompassing the Criminalistic Techniques, the Scientific Police with techniques of Criminal Analysis; Transmissions, image and sound.

Within the set of studies that make up the degree of Graduate in Criminology and Criminalistics, the degree of Graduate in Criminology and Criminology.

Forensic Science brings to the investigation of crime objective elements about the participants and "modus operandi', by studying and analysing, by means of techniques of increasing implementation and the elements of action and participation in the criminal phenomenon.

This subject provides an approximation to the knowledge of the techniques used by the Police Forensic laboratories in Spain, which shine at a world-renowned level for their focus on excellence and which, in other states, are attributed to different bodies, either dependent on ministerial departments related to the under the ministerial departments related to Justice, or to those related to science and technology, but that in all of them it is the aim to take advantage of technological resources that provide objective elements to the judiciary,

The knowledge of these techniques will provide the criminologist with the sufficient knowledge to interpret the partial reports of the different combined techniques, that take advantage of technological developments, for the organisation of services and the scientific investigation of crimes with a scientific method, as they are confronted with forms of action that evolve with the times, social changes, geographical diversity and global influence.

Forensic science is more than a mere association of disparate techniques, it applies its own methods and criteria, specific procedures and doctrines, which are developed in laboratories and which are surrounded by quality controls in accordance with the procedure manual, which is refined and perfected with data obtained from the experience of many years of experience, with objectivity and constant adaptation to the historical moment, as an efficient response to the quantitative increase and qualitative diversity of crime, its progress, evolution, adaptations and transformations, at the same time as the Administration of Justice calls for more convincing means of proof, which can only be achieved with an accurate and rigorous police investigation, imposing a constant improvement of technology and specialisation, applying all the necessary scientific knowledge and any of the advances that contribute to it.

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

Requisitos o recomendaciones previas, que no son imprescindibles porque se da una introducción a estas materias, pero es interesante que exista orientación previa en:
En materias jurídicas: Derecho Constitucional, en cuanto a derechos fundamentales y garantías de esos derechos. Derecho Penal parte General, en lo relativo a la Responsabilidad penal y Prueba pericial.
Derecho procesal: Garantías procesales que rodean a la prueba y Policía Judicial.
En materias técnicas: Conocimientos de informática.

OUTCOMES

1302 - Degree in Criminology

- Saber utilizar un lenguaje técnico que permita expresar los conceptos correctamente y desde una perspectiva de género.
- Tener iniciativa creativa, promoviendo el análisis crítico y espíritu de liderazgo con capacidad de gestión y dirección.
- Saber utilizar las Tecnologías de la Información y Comunicación en el manejo de datos.
- Saber aplicar las técnicas de investigación adecuadas para la persecución de delitos y la resolución de conflictos sociales, garantizando la seguridad ciudadana y los derechos fundamentales.
- Saber asesorar en la interpretación y valoración de los informes forenses.
- Ser capaz de analizar el delito, el delincuente y la víctima, y diseñar estrategias de prevención e intervención, desde el respeto a los derechos humanos, la igualdad entre hombres y mujeres, la paz, sostenibilidad, accesibilidad universal y diseño para todos y valores democráticos.

LEARNING OUTCOMES

Competence number 1: Know how to discern the adequacy of requesting certain forensic tests. G: 1.9 E: 4, 12.22
Competence number 2: Know properly the concepts used in forensic laboratories and in expert reports. G: 1 E: 4, 11, 12, 14
Competence number 3: Know how to collaborate with an expert in carrying out expert tests in the field of the techniques studied. G: 1.9 E: 4, 12.22
Competence number 4: Know the uses and functions of the different techniques and know how to apply them. G: 1.9 E: 11, 12
Competence number 5: Detect alterations or copies of illegal use of products and documents, as well as errors or incongruous applications of the techniques studied. G: 1 E: 11, 12
After this course students must be able to:
1- Interpret the values usable for criminological research and rebuttable failures in the expert reports that are submitted to study.
2.- To identify and solve the interpretative problems that arise in the resolution of practical cases, arguing from rational criteria.
3.- To acquire sufficient technical terminology to express, correctly, verbally and in writing, the legal-police and technical concepts of this specialty.
4.- To protocolize, the technical aspects applicable to the criminological investigation, of any subject that is put under its professional study.
5.- To plan, in the scene of the event, the suitable technical action before an episode that requires criminalistic intervention.
6.- Assess and apply the most appropriate eye inspection techniques to the cases proposed with the aim of recognizing, in the indications or vestiges of crime, those that are technically useful in the investigation.
7.- Apply techniques of collection, protection and contribution of indicative elements, for his study and analysis in the suppositions of professional activity, Legal or Criminological.
8.- To structure correctly the procedures of relation between the scientific police and other administrations, like a citizen demand of the service of police, as well as his relation with the society and

the administration of Justice.
9.- Preserve and analyze samples and vestiges, as possible evidence, guaranteeing their collection and conservation oriented to the judicial evidence with the premises of objectivity and impartiality, enabling the verification and eventual counter-expertise guaranteed by the 'chain of custody'.

WORKLOAD

ACTIVITY	Hours	% To be attended
Theoretical and practical classes	75,00	100
Attendance at events and external activities	8,00	0
Development of group work	6,00	0
Development of individual work	15,00	0
Study and independent work	25,00	0
Readings supplementary material	6,00	0
Preparation of evaluation activities	25,00	0
Preparing lectures	6,00	0
Preparation of practical classes and problem	7,00	0
Resolution of case studies	10,00	0
Resolution of online questionnaires	4,00	0
TOTAL	**187,00**	

TEACHING METHODOLOGY

The development of the subject is structured in 14 thematic units, each of which is planned to be developed in approximately 5 to 6 hours, adjusting them to the sessions, of face-to-face classes, that the schedule establishes.
The peculiarity of this subject, which requires the knowledge and handling of materials, methods and systems that are rare in legal degrees, makes it necessary to explain:
Theoretical subjects, to develop the exposition of the points of the program, with the support of audiovisual techniques.
Practice exercises for the application of the explained matter. These practices have two phases, one in the laboratory where the techniques are observed and verified and another for resolution and delivery of work, via email.
The practical works, very important in this subject, can be individual with delivery and evaluation, to control the evolution in the learning and application of the acquired knowledge and also for group management of complex works, with a number of participants from 3 to 5 , with personalized tasks and collective coordination.
Curriculum tutorials and personalized attention to students that can, to facilitate the student's queries, be made through email, always on specific issues. Likewise, individual and group face-to-face tutorials will be held.
Timely information on the work carried out, for self-assessment.
The teacher will attend to the doubts that arise from the students when analyzing and completing any specific question of those developed in class and guiding the research process, acting as a mediator in

learning.
In these meetings, the different aspects of the work carried out will be discussed, both correcting those faults that are detected in the theoretical understanding and in the practical application.
To teach the subject, the available technical resources will be used: Web CT platform. Internet and other UV computer applications accessible from a standard browser, with which students will access a password-protected work environment in which they can carry out the appropriate actions:
Access online content related to the course: notes, presentations, links, videos...
Take exams, quizzes and self-assessments.
Submit assignments to teacher
Access discussion forums to post messages addressed to the entire group or to subgroups of the class, answering questions raised by the teacher.

EVALUATION

The qualification of the subject will be determined from the qualifications obtained from the continuous evaluation developed in each group, which corresponds to 30% of the final qualification, and from the completion of the final test on the dates set by the Faculty. which corresponds to 70% of the final grade.It will be necessary to obtain a minimum passing grade in the final test to pass the subject, regardless of the grade obtained in the continuous evaluation.The professor's annex will detail the conditions of the continuous evaluation and the oral or written nature of the final test, as well as whether a partial test, of a liberating nature or not, will be carried out on the dates set by the Faculty.Students who do not take the continuous assessment may take the final test on the first call, and the grade obtained will be limited to the weighted value that this test has in the final grade (70%), so that, at most, You can get a 7 as a final grade.In case of suspending the first call, for the second call the grade obtained in the continuous evaluation is kept. If the teacher's annex foresees that there is some activity as recoverable, it will determine the way to obtain the qualification of the same/s in the second call.

REFERENCES

Basic

- 1.- MANUAL DE POLCIA CIENTÍFICA: entre la teoría y la experiencia. José Francisco Planells Garcés, Ed Tirant lo Blanch 2022.
  2.- Policía científica. Antón Barberá, Francisco y Luis y Turégano, Juan Vicente de. Valencia: Tirant lo Blanch, 2012.
  3.- Policía Científica · 100 años de ciencia al servicio de la Justicia. Madrid 2011: Catálogo de Publicaciones de la AGE.
  4.- Normativa: Código Civil. Código Penal, LEC, LECr, Reglamento de Armas. Protocolo Nacional de Actuación Médico-forense y de Policía Científica en sucesos con víctimas múltiples. Reglamento del Instituto de Toxicología.

Additional

- Sistemas operativos de informática: DOS, WINDOWS, LINUX, Mac.
  Accesos a paginas web especializadas
  Utilización del sistema informático de la UV