



Information about the subject

Degree: Bachelor of Science Degree in Criminology

Faculty: Faculty of Legal, Economic and Social Sciences

Code: 1300206 **Name:** Legal Medicine

Credits: 6,00 **ECTS Year:** 2 **Semester:** 1

Module: Methodology. Scientific-technical.

Subject Matter: Forensic Science **Type:** Compulsory

Field of knowledge: Other branches

Department: Criminology

Type of learning: Classroom-based learning

Languages in which it is taught: Spanish

Lecturer/-s:

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Module organization

Methodology. Scientific-technical.

Subject Matter	ECTS	Subject	ECTS	Year/semester
Social	6,00	Research Methodology and Techniques in Social Sciences	6,00	1/2
Criminalistics	18,00	Applied Criminalistics	6,00	3/2
		Criminalistics Laboratory. Scientific Police	6,00	2/2
		Documentoscopy and Graphology	6,00	4/1
Forensic Science	24,00	Forensic Psychiatry	6,00	3/1
		Human Anatomy and Physiology	6,00	1/2
		Legal Medicine	6,00	2/1
		Techniques of Forensic Analyses	6,00	2/2

Recommended knowledge

Basic knowledge of Biology and Chemistry at the Bachelor of Science level.



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Knowledge of the regulations applicable to the practice of the profession of criminologist.
- R2 Knowledge of the general criminal and civil legislation of the Spanish judicial system and the organizational structure of the Spanish and Valencian Community Justice Administration.
- R3 Producing and distinguishing the different medical documents of medical-legal interest and their legal implications.
- R4 Understanding the concepts of medical-legal information systems and their practical applications. Ability to develop forensic record-keeping systems.
- R5 Learning the principles of ethics and professional performance according to the *lex artis*.
- R6 Understanding and mastering techniques for conducting psychiatric interviews and proposing urgent action measures in cases of involuntary admissions.
- R7 Knowing the different mechanisms of production of the injuries, distinguishing the resulting injuries, and performing the medical-legal assessment of these injuries.
- R8 Performing assessments of bodily injury and knowing how to apply the different scales and assessment grids.
- R9 Mastering the basic knowledge required to act in medical and emergency situations.
- R10 Recognizing the pathological states of drug use and its medical-legal implications.
- R11 Knowledge of the mechanisms of interrelation with other organizations, institutions and professionals in the public and private sectors.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

BASIC		Weighting			
		1	2	3	4
CB1	Showing a command and understanding of knowledge in an area of study that is based on the general secondary education and that is usually at a level that implies the support on advanced textbooks but also the inclusion of knowledge from the cutting edge of their field of study.				X
CB2	Being able to apply their knowledge to their jobs or vocational activities professionally and holding the competences that are demonstrated through the elaboration and defence of arguments as well as the solution of problems within their area of study.				X
CB3	The ability to gather and interpret relevant data (normally within their area of study) so as to make judgements that include a reflection on relevant social, scientific or ethical issues.				X
CB4	Being able to convey information, ideas, problems and solutions to a specialised or non-specialised public.		X		
CB5	Having developed the learning abilities necessary to pursue postgraduate studies with a high degree of autonomy.				X
GENERAL		Weighting			
		1	2	3	4
CG5	The capacity to obtain and manage efficiently the information from the scientific literature, specialised journals, databases and other sources.			X	
CG6	The capacity to establish explanatory hypotheses, using predictive and operative relationships that offer responses to the criminal phenomenon in a criminological context.				X
CG7	The capacity to take decisions and to design programs and strategies for both prevention and treatment of the criminal phenomenon.				X



CG16 Oral and written communication skills in the native language with regards to Criminological Science in order to present, circulate and validate the outcomes of criminological and criminalistic research both through scientific development and through the proposal of specific policies and lines of action.

X

SPECIFIC

Weighting

1 2 3 4

CE23 Knowledge and application of scientific research techniques in the medical-legal and criminalistic field, as well as the basis and preparation of various expert reports.

X

CE24 Training in the elaboration of criminologist expert reports as well as in expert intervention in the different phases of the procedures.

X



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	55,00%	Analysis and resolution of case studies.
R7, R8, R10	15,00%	Attendance and participation in class.
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	30,00%	Exam or objective test to measure obtained competences.

Observations

It will be necessary to obtain a grade of 4 on the exam for the percentages derived from the practical work grades, as well as the grade for class attendance and participation, to be applied in order to calculate the final grade for the course. The final grade must, of course, be equal to or greater than 5.

Class attendance is mandatory, requiring a minimum of 80% attendance to be eligible for evaluation. Those who, due to personal circumstances, are unable to meet the required attendance percentage have the option to request a single evaluation within the first month of classes. This request is subject to approval from the Dean's Office. For those who choose this option, the evaluation method will consist of practical assignments (65%) and a final exam (35%).



CLASS ATTENDANCE IN FACE-TO-FACE DEGREES

In accordance with the development guidelines of the General Regulations for the Evaluation and Qualification of Official Teachings and Own Degrees of the UCV, in face-to-face degrees, class attendance with a minimum of 80% of the sessions of each subject will be required as a requirement to be evaluated. This means that, if a student does not attend the sessions of each subject, in a percentage greater than 20%, he/she will not be able to be evaluated, neither in the first nor in the second call, unless the person responsible for the subject, with the approval of the person responsible for degree, in view of duly justified exceptional circumstances, exempt from the minimum attendance percentage. The same criterion will be applicable for hybrid or virtual degrees in which teachers must maintain the same percentage in the requirement of "presence" in the different training activities, if any, even if these are carried out in virtual environments.

MENTION OF DISTINCTION:

The mention of "Honors" may be awarded to students who have obtained a grade equal to or greater than 9.0. Their number may not exceed five percent of the students enrolled in a group in the corresponding academic year, unless the number of students enrolled is lower.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- M1 Presentation of contents by the teacher, analysis of competencies, explanation and demonstration of abilities, skills and knowledge in the classroom.
- M2 Specific instructions about group and individual assignments for each topic.
- M3 Group work sessions supervised by the teacher. Study of legal cases, both real and fictitious, analysis, diagnosis, problems, field study, computer room, visits, data search, libraries, network, Internet, etc. Significant construction of knowledge through student interaction and activity. Critical analysis on values and social commitment.
- M4 Application of interdisciplinary knowledge.
- M5 Supervised monographic sessions with shared participation
- M6 Personalized attention and in small groups. Period of instruction and/or orientation carried out by a tutor with the objective of reviewing and discussing the materials and topics presented in the classes, seminars, readings, completion of assignments, etc.



- M7 Set of oral and/or written tests used in the initial, formative or summative evaluation of the student.
- M8 Group preparation of readings, assumptions and problem -olving to present, discuss or deliver in class or tutorial.
- M9 Student's study: Individual reading preparation, case studies, jurisprudence. Writings and papers to be presented or delivered in the classes or tutorials.

IN-CLASS LEARNING

IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
In-person class M1, M2, M3, M4, M8, M9	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	15,00	0,60
Practical class M2, M3, M4, M5, M7, M8, M9	R7, R8, R10	30,00	1,20
Seminar M4, M5	R7, R8, R10	2,50	0,10
Group work presentation M2, M3, M4, M6	R7, R8, R10	5,00	0,20
Tutorial M2, M4, M6, M9	R7, R8, R10	5,00	0,20
Evaluation M1, M2, M3, M4, M5, M6, M7, M8, M9	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11	2,50	0,10
TOTAL		60,00	2,40

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
Group work M2, M3, M4, M6, M8, M9	R7, R8, R10	30,00	1,20
Individual work M2, M3, M4, M5, M6, M7, M8, M9	R7, R8, R10	60,00	2,40
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
TOPIC 1. HISTORY AND ORGANIZATION OF FORENSIC MEDICINE	Historical Evolution of Legal and Forensic Medicine. Legal Medicine and the Justice Administration. Organization of Legal and Forensic Medicine in Spain and other countries. Institutes of Legal Medicine. Foundations, objectives, and functions. Concept of Legal Medicine. Legal Norms.
TOPIC 2. CRIME SCENE INVESTIGATION	Forensic Medical Investigation of the Crime Scene. Removal of the Body (Types).
TOPIC 3. FORENSIC PATHOLOGY AND THANATOLOGY	Medico-Legal Issues Related to Death. General Mechanisms of Death. Clinical and Forensic Autopsies. Organ Extraction and Transplantation. Injuries from Firearms, Bladed Weapons, Explosions, Physical Agents, and Mechanical Asphyxia. Cadaveric Phenomena.
TOPIC 4. SEXUAL VIOLENCE	Sexual assaults. Guidelines for medico-legal care for victims of sexual violence.
TOPIC 5. FORENSIC TOXICOLOGY	Ethanol and methanol poisoning. Study of drugs of abuse. Frequent poisonings in clinical practice: pesticides, caustics, gases and metals. Interpretation of analytical results and medical-legal assessment.
TOPIC 6. PERSONAL INJURY ASSESMENT.	Injuries in <i>traffic</i> accidents. Domestic violence: violence against women, abuse of the elderly and children.
TOPIC 7. IDENTIFICATION OF THE LIVING AND THE DEAD	Body identification. Disaster victim identification. Identification of the living subject.
TOPIC 8. MEDICO LEGAL REPORT	Forensic expert reports. Medico legal documents.



Temporary organization of learning:

Block of content	Number of sessions	Hours
TOPIC 1. HISTORY AND ORGANIZATION OF FORENSIC MEDICINE	2,00	4,00
TOPIC 2. CRIME SCENE INVESTIGATION	5,00	10,00
TOPIC 3. FORENSIC PATHOLOGY AND THANATOLOGY	11,00	22,00
TOPIC 4. SEXUAL VIOLENCE	2,00	4,00
TOPIC 5. FORENSIC TOXICOLOGY	5,00	10,00
TOPIC 6. PERSONAL INJURY ASSESMENT.	2,00	4,00
TOPIC 7. IDENTIFICATION OF THE LIVING AND THE DEAD	2,00	4,00
TOPIC 8. MEDICO LEGAL REPORT	1,00	2,00



References

REFERENCES (Spanish)

- Gisbert Calabuig JA. Medicina legal y toxicología. 8ª ed. Elsevier; 2023.
- Delgado Bueno S. Tratado de Medicina legal y ciencias forenses. 4 vol. Barcelona: Bosch, 2011.
- Guía Práctica de actuación forense en supuestos con múltiples víctimas mortales. Generalitat Valenciana. 1ª edición, 2016.

COMPLEMENTARY REFERENCES (Spanish)

- Menéndez de Lucas JA. Manual de medicina legal y forense para estudiantes de medicina. Barcelona: ELSEVIER; 2014

LINKS

- SOCIEDAD ESPAÑOLA DE CRIMINOLOGIA Y CIENCIAS FORENSES <http://seccif.es/>
PATOLOGÍA FORENSE, <https://www.scoop.it/t/patologia-forense>.
SOCIEDAD ESPAÑOLA DE PATOLOGÍA FORENSE, www.sepaf.es