

VI year (2nd semester)
A.Y. 2025-2026

Scientific Field	FORENSIC MEDICINE	TUTOR	CFU
MED/43	Forensic Medicine	Marsella Luigi Tonino	1
MED/43	Forensic Medicine	Treglia Michele	1
MED/43	Forensic Medicine	Tittarelli Roberta	1
MED/43	Public Law	Treglia Michele	1
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TOPICS

**GENERAL FORENSIC
MEDICINE**

Forensic Medicine definition, purpose and method.

<p>TOPICS</p> <p>ESSENTIAL OF LAW</p>	<p>Public and private law; constitutional law; substantive civil and criminal law; civil and criminal liability; the criminal offence, the offender, the offence, the criminal sanction; the tort, the damage, compensation for damage; civil and criminal procedural law. The Italian judicial system. The relationship of material causality: notion of cause; legal causality, human causality; criteria of judgement for the admission or exclusion of the aetiological link in forensic medicine.</p>
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<p>TOPICS</p> <p>CAUSAL LINK</p>	<p>Principles of cause, causation and causal chain; material causality (art. 40-41 criminal code). Theories of the Causality</p>
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<p>TOPICS</p> <p>BIOETHICS AND PROFESSIONAL DEONTOLOGY</p>	<p>Concept of bioethics - The code of medical deontology - Ethical standards and legal standards - Ethical, deontological, disciplinary responsibility - The doctor-patient relationship: doctor's rights and duties; the doctor's position of guarantee; the medical act and the faculty to treat; the consent of the person entitled and L.219 /2017; the obligation to provide assistance: failure to provide assistance; the doctor's professional liability; clinical documentation; the doctor's duties of confidentiality: professional secrecy, the patient's right to confidentiality - The doctor's duties of disclosure: report and complaint, mandatory notifications.</p>
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<p>TOPICS</p> <p>FORENSIC MEDICINE AND THE PENAL CODE</p>	<p>The clinical-biological relevance of crimes against the person (murder - infanticide - criminal abortion – beatings - personal injury) and against personal freedom (sexual violence).</p>
<p>TOPICS</p> <p>MEDICAL RESPONSIBILITY AND LIABILITY</p>	<p>Normative and juridical overview, criminal medical responsibility, deontological medical responsibility, civil medical responsibility, contractual liability, extra-contractual liability, Law 24/2017; methods of ascertainment and evaluation criteria.</p>
<p>TOPICS</p> <p>FORENSIC MEDICINE AND CIVIL CODE</p>	<p>Legal capacity; Civil capacity; Ability to act; Interdiction; Incapacitation; personal injury and biological damage ascertainment.</p>
<p>TOPICS</p> <p>LEGAL AND INSURANCE MEDICINE</p>	<p>The social security system, INPS, INAIL, civil invalidity, disability - Private insurance - Law 194 on the voluntary interruption of pregnancy - The protection of maternity - Organ transplants - The doctor's competences in emergencies; the concept of catastrophe: disasters and natural calamities; the organisation of interventions in catastrophes.</p>
<p>TOPICS</p> <p>TECHNICAL CONSULTANCY AND EXPERT REPORT</p>	<p>Expert witness in criminal and civil trial.</p>

TOPICS THANATOLOGY	Introduction; ascertainment of death; medico legal investigations; Crime Scene Investigations; Autopsy; time since death evaluation; Body cooling; (algor mortis) Hypostasis (livor mortis); Body stiffness (rigor mortis); putrefaction; Adipocere; maceration; mummification.
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TOPICS FORENSIC PATHOLOGY	The mortuary police regulations - The general assessment of the The differential diagnosis between homicide, suicide and accident - The lesivity by mechanical physical energy: blunt force injuries; gunshot injuries; violent mechanical asphyxia - The lesivity by electrical, baric, thermal physical energy - Sudden death. Forensic anthropology: Personal identification - Fingerprints - Radiological identification - Immunohaematological investigations - DNA - Techniques and methods of forensic medical examination - Bloodstains at the crime scene.
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TOPICS FORENSIC TOXICOLOGY	Poisoning; Diagnosis of poisoning; poisoning and penal code; toxicological investigations; toxicological samples; toxicological examination; Pharmacokinetics and pharmacodynamics of drugs; Heroin, morphine, cocaine, cannabis, Hallucinogenic and psychedelic drugs and amphetamine; Carbon monoxide poisoning.
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TOPICS	Identification of species; Race identification; Sex identification; Stature identification; Age identification; Personal identification.
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SKELETAL REMAINS
IDENTIFICATION

TOPICS

CRIME SCENE
INVESTIGATION

Definition; crime scene investigation record and regulations, blood pattern analysis.

TOPICS

MISCELLANY

Organ transplantation; Mortuary Police Regulation, end of life treatments and juridical aspects.

TEXTBOOKS

Jason Payne-James, Richard Jones, Steven B Karch, John Manlove.
Simpson's Forensic Medicine, 13th Edition, Hodder Arnold, London, 2011.

Di Luca N.M.; Feola T.; Marinelli E. Nuovo Compendio di Medicina Legale, II
edizione. Editore: Minerva Medica -2021.

EXAM METHOD

A final oral examination concerning the program will be performed at the end of the second semester.
Written tests contain open questions and/or multiple questions with selection of established answers and will receive a mark. After positive outcome of the written test (>18 mark), a final oral examination concerning the program will confirm or modify the mean written mark.

EXAM COMMISSION

The Coordinator, full Professors of the disciplines, Professors of similar disciplines, Specialists of the subject, compose the exam Commission of the Integrated Course.

Marsella Luigi Tonino, President
Treglia Michele
Tittarelli Roberta

Contacts

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PREREQUISITES: Previous knowledge and competence in the following subjects:

Human Anatomy1, Human Anatomy 2, Histology and Embryology, Physiology and Physiopathology, General Pathology and Physiopathology, Biology and Genetics, Biochemistry and Molecular Biology.

The specific learning outcomes of the program are coherent with the general provisions of the Bologna Process and the specific provisions of EC Directive 2005/36/EC. They lie within the European Qualifications Framework (Dublin Descriptors) as follows:

The aim of the course in Forensic Medicine is to provide the basic knowledge of forensic pathology and the regulations of the civil, criminal and deontological codes, which are indispensable for the practice of the medical profession. It will be essential to acquire knowledge of the legal obligations under current legislation and to develop the ability to recognise which acts and events have or may have legal significance.

1. **Knowledge and Understanding**

At the end of this course, the student should be able to:

- Know the various areas of interest of forensic medicine and the Italian judicial system.
- Describe the main aspects of forensic pathology and explain the physiopathological mechanisms underlying the different types of injuries.
- Present each subject in detail with emphasis on macroscopic examination, microscopic aspects, classification, presentation and differential diagnosis.
- know the criminal and deontological obligations to which the surgeon is subject by virtue of his qualification and profession.
- know the basics of the regulations in force regarding the professional liability of health professionals.

2. **Applying knowledge and Understanding**

At the end of the course, the student will be able to:

- Recognise and distinguish the main kinds of injury in the medico-legal field and propose a correct differential diagnosis regarding the means that produced them.
- Establish a correct approach to the diagnosis of death in forensic medicine.
- Use laboratory tests in the different fields of forensic science.
- Identify and contextualise the different aspects of the medical profession in the light of the regulations in force and the different areas of law within which the medical profession is inscribed.

3. **Making Judgements**

At the end of the course, the student will be able to identify the possible use of the recognised skills in a future career and to assess the importance of the acquired knowledge within the entire medical training process.

4. **Communication Skills**

At the end of the course, the student should know:

- To use specific scientific and legal terminology appropriately.
- To present arguments orally in an organised and coherent manner.

5. **Learning Skills**

- Identify possible use of the acknowledged skills in the future career.
- Assess the importance of the acquired knowledge in the overall medical education process.