



FORENSIC MEDICINE	
Enrollment year	2021/2022
Academic year	2022/2023
Regulations	DM270
Academic discipline	MED/43 (LEGAL MEDICINE)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	MEDICAL AND PHARMACEUTICAL TECHNOLOGIES
Curriculum	Medico: Biotecnologie mediche e ricerca biomedica
Year of study	2°
Period	2nd semester (06/03/2023 - 09/06/2023)
ECTS	3
Lesson hours	24 lesson hours
Language	English
Activity type	ORAL TEST
Teacher	MORINI LUCA (titolare) - 3 ECTS
Prerequisites	Major chemical characteristics of drugs of abuse, ethanol and psychoactive substances should be known. Basic knowledge about chromatographic and mass spectrometric methods is required
Learning outcomes	The aim of the course is to train the student about the toxicological analyses, on biological matrices, that are routinely performed in a Forensic Toxicology Lab
Course contents	The lessons are divided in three parts. The first part will focus on the role of the forensic toxicologist, the rules, the laws and all the regulations related to forensic toxicology: in particular, postmortem toxicology, drugs and driving issue, and workplace drug testing will be discussed in details. The second part will focus on the main molecules of forensic interest: traditional and new drugs of abuse, ethanol, psychoactive substances and volatile gases and poisons. The third part

	will describe all the analytical procedures related to toxicological analyses on biological matrices. In particular, chromatographic and mass spectrometric methods for the detection and quantification of molecules and metabolites in blood, urine and hair will be described in depth
Teaching methods	The lessons will be held by the lecturer and/or together with other specialists of forensic science.
Reccomended or required readings	<p>All the material wil be provided by the lecturer.</p> <p>Other suggested volumes are: "Principle of Forensic Toxicology -fourth edition" Edited by Barry Levine AACCPress</p>
Assessment methods	Written or oral exams
Further information	
Sustainable development goals - Agenda 2030	<p>3</p> <p>\$lbl legenda sviluppo sostenibile</p>