



# UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Biomedicina, Neuroscienze e Diagnostica avanzata		
ACADEMIC YEAR	2022/2023		
MASTER'S DEGREE (MSC)	MEDICINE AND SURGERY		
INTEGRATED COURSE	FORENSIC MEDICINE AND BIOETHICS - INTEGRATED COURSE		
CODE	17450		
MODULES	Yes		
NUMBER OF MODULES	2		
SCIENTIFIC SECTOR(S)	MED/02, MED/43		
HEAD PROFESSOR(S)	ZERBO STEFANIA	Professore Associato	Univ. di PALERMO
	ARGO ANTONINA	Professore Ordinario	Univ. di PALERMO
OTHER PROFESSOR(S)	ZERBO STEFANIA	Professore Associato	Univ. di PALERMO
	ARGO ANTONINA	Professore Ordinario	Univ. di PALERMO
	CRAXI' LUCIA	Ricercatore a tempo determinato	Univ. di PALERMO
CREDITS	5		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	6		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	<b>ARGO ANTONINA</b> Monday 13:00 14:00 Edificio 9 Plesso di medicina Legale, piano 1 stanza docente. In modalita remoto: stanza teams "Ricevimento studenti", indirizzo: brrybh8 Tuesday 13:00 14:00 Medicina legale c/o Farmacologia, stanza docente, Policlinico <b>CRAXI' LUCIA</b> Monday 9:30 11:30 DIBIMED. Sezione di Patologia GeneraleCorso Tukory, 211 <b>ZERBO STEFANIA</b> Monday 11:00 13:00 Istituto medicina legale		

**DOCENTE:** Prof.ssa ANTONINA ARGO- Sede *IPPOCRATE*

<b>PREREQUISITES</b>	None
<b>LEARNING OUTCOMES</b>	<p>Knowledge and understanding: Develop knowledge of forensic discipline; Capacity to apply knowledge and understanding: Creating conditions to apply to the living and in the post - mortem, legal medical disciplines . - Making judgments. Place students can assess independently of the medico legal disciplines applications, according to the requirements of justice and civil society . - Enable communicative skills; give students the knowledge of the legal methodological principles . - Learning skills: Learn how to approach the study of forensic discipline.</p> <p>To master the essential tools for developing a bioethical assessment, ie introducing an understanding of the main ethical approaches and moral visions that have crossed the history of philosophy and culture. To promote the development of the human and professional qualities of health workers. To Acquire awareness of the relevance of the patient, his experience and the care function of the hospital, in line with the basic principles of medical ethics.</p>
<b>ASSESSMENT METHODS</b>	<p>Oral examination aimed at ascertaining the level of knowledge of the subject matters. The exam consists of a minimum of three questions. The evaluation will unfold as follows: Excellent (30 - 30 cum laude): good knowledge of the topics, excellent language skills, excellent capacity of analysis; the student is able to apply theoretical knowledge to real cases which are proposed to be analysed. Very good (26 - 29): good knowledge of the topics, good language skills, good capacity of analysis; the student is able to apply theoretical knowledge to real cases which are proposed to be analysed. Good (24 - 25): Basic knowledge of the main topics, good language skills, the student shows limited ability to apply theoretical knowledge to real cases which are proposed to be analysed; Satisfactory (21 - 23): the student does not show complete conceptual mastery of the main teaching topics, although showing to know the basic knowledge; he/ she shows satisfactory language skills albeit with a poor ability' to adequately apply theoretical knowledge to real cases which are proposed to be analysed; Sufficient (18 - 20): minimal knowledge of the main teaching and technical language issues, limited or no capacity to adequately apply theoretical knowledge to real cases which are proposed to be analysed; Not sufficient: the student does not have an acceptable knowledge of the contents of the various topics on the agenda.</p>
<b>TEACHING METHODS</b>	Lectures directly given by the holder of the chair and practical activity, laboratory

**DOCENTE:** Prof.ssa STEFANIA ZERBO- Sede HYPATIA

<b>PREREQUISITES</b>	none
<b>LEARNING OUTCOMES</b>	<p>The student will be able to answer at least two/three orally questions for each module that constitutes the integrated course, on all parties of the program, in compliance to the recommended texts. The final examination aims to evaluate whether the student has knowledge and understanding of the topics, has acquired the ability and independent judgment to interpret concrete cases. The sufficiency will be threshold when the student shows knowledge and understanding of the issues at least in broad outline, and has minimal application skills in order to solve concrete cases; It must also possess skill in exhibition and argumentative to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will be insufficient. The more, however, the examinee with his ability 'argumentative and expository able to interact with the examiner, and the more his knowledge and ability applications go into detail of the discipline of verification, the more assessment will be positive. The assessment is carried out of thirty. In detail, the vote will be based on the following principles: Excellent (30-30 Honours) - Excellent knowledge of the topics, excellent properties of language, good capacity analytic, students and able to apply knowledge to solve problems proposed. Very Good (26-29) - Good knowledge of the topics, full ownership of the language, the student and able to apply knowledge to solve problems proposed. Good (24-25) - Basic knowledge of the main topics, discrete properties of language, with limited ability to independently apply the knowledge to the solution of the proposed problems. Satisfactory (21-23) - has not fully mastered the main teaching subjects but it has the knowledge, satisfactory property language, poor ability to independently apply the knowledge gained. Sufficient (18-20) - Minimum basic understanding of the main topics of teaching and technical languages, very little or no ability to independently apply the knowledge gained. Insufficient - It does not have an acceptable knowledge of the contents of the topics covered in the teaching.</p>
<b>ASSESSMENT METHODS</b>	<p><b>ASSESSMENT METHODS ORAL EXAM</b> THE ORAL TEST related to the whole teaching consists of an interview with a minimum number of three questions and is designed to verify:</p> <ul style="list-style-type: none"><li>a) the knowledge gained in the individual disciplines and the ability to establish connections between the content;</li><li>b) the processing capacity by demonstrating that you understand the applications and Content implications within the professional context;</li><li>c) the presentation skills demonstrating to possess adequate properties language and ability to interact with the examiners.</li></ul> <p>The vote of thirty is assigned according to the following grid:</p> <p>30-30 laude = Excellent (A - A +, Excellent) = content knowledge teaching; students demonstrate high analytical and synthetic capacity and it is able to apply the knowledge to solve problems of high complexity</p> <p>27-29 = Good (B, Very good) = Excellent knowledge of teaching content and excellent language skills; students demonstrate analytical and synthetic capacity and able to apply their knowledge to solve problems of medium complexity and, in certain cases, also high</p> <p>24-26 = Good (C, Good) = Good knowledge of teaching content and good language skills; the student is able to apply knowledge to solving problems of medium complexity</p> <p>21-23 = Fair = Fair (D, Satisfactory) = knowledge of teaching content, in some cases limited to the main topic; acceptable ability to use the specific language of the discipline and apply independently acquired knowledge</p> <p>18-20 = Sufficient (And Sufficient) = Minimum knowledge of teaching content, often limited to the main topic; modest ability to use the language specific discipline and independently apply the knowledge acquired</p>
<b>TEACHING METHODS</b>	frontal lessons

**DOCENTE:** Prof.ssa STEFANIA ZERBO- Sede CHIRONE

<b>PREREQUISITES</b>	none
<b>LEARNING OUTCOMES</b>	<p>To master the essential tools for developing a bioethical assessment, ie introducing an understanding of the main ethical approaches and moral visions that have crossed the history of philosophy and culture. To promote the development of the human and professional qualities of health workers. To Acquire awareness of the relevance of the patient, his experience and the care function of the hospital, in line with the basic principles of medical ethics.</p>
<b>ASSESSMENT METHODS</b>	oral examination
<b>TEACHING METHODS</b>	frontal lessons

## MODULE BIOETHICS

- Sede HYPATIA, - Sede HYPATIA

### SUGGESTED BIBLIOGRAPHY

Mori M. Introduzione alla Bioetica. 12 temi per capire e discutere. Torino: Espress edizioni; 2012; ISBN-10: 8878893056  
ISBN-13: 978-8878893054

O in alternativa Viafora C. Introduzione alla bioetica, Milano: Franco Angeli; 2012; ISBN-10: 8846472624  
ISBN-13: 978-8846472625

Il materiale andra' integrato con gli appunti e con i materiali forniti nel corso delle lezioni.

The material will be integrated with the notes and with the materials provided during the lessons.

<b>AMBIT</b>	50405-Inglese scientifico e abilità linguistiche, informatiche e relazionali, pedagogia medica, tecnologie avanzate e a distanza di informazione e comunicazione
<b>INDIVIDUAL STUDY (Hrs)</b>	30
<b>COURSE ACTIVITY (Hrs)</b>	20

### EDUCATIONAL OBJECTIVES OF THE MODULE

To master the essential tools for developing a bioethical assessment, ie introducing an understanding of the main ethical approaches and moral visions that have crossed the history of philosophy and culture. To promote the development of the human and professional qualities of health workers.

To Acquire awareness of the relevance of the patient, his experience and the care function of the hospital, in line with the basic principles of medical ethics.

## SYLLABUS

Hrs	Frontal teaching
1	Man as object or subject of the medical act? The Medical Humanities
2	Origins of Bioethics and its diffusion. Potter and Hellegers. Definitions of Bioethics
2	Ethical Frameworks: values and principles. Main methods of ethical analysis
2	Ethical frameworks. Ethics of the sacredness of life and ethics of quality of life
2	History of informed consent in clinical trials. Nuremberg Code, Declaration of Helsinki, Belmont Report
2	Informed consent in clinical practice and principle of autonomy. History of the assertion of informed consent and critical issues. Interruption of life-sustaining treatments.
1	Advance treatment provisions and treatment planning: the law 219/2017
2	Allocation of resources in health and health rights
1	Access criteria for transplants
1	Ethics of ageing and palliative care
2	End of life issues: euthanasia and assisted suicide
2	Voluntary interruption of pregnancy

## MODULE FORENSIC MEDICINE

*Prof.ssa ANTONINA ARGO - Sede IPPOCRATE, - Sede IPPOCRATE*

### SUGGESTED BIBLIOGRAPHY

Medicina legale orientata per problemi. Zagra M, Argo A. 2<sup>a</sup> ed. Edizioni Edra, Milano, 2018

<b>AMBIT</b>	50409-Medicina e sanità pubblica e degli ambienti di lavoro e scienze medico legali
<b>INDIVIDUAL STUDY (Hrs)</b>	45
<b>COURSE ACTIVITY (Hrs)</b>	30

### EDUCATIONAL OBJECTIVES OF THE MODULE

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1. Acquisition of critical awareness on the basic obligations of the professional practice of the physician with regard to the Authority Judiciary and the public health, currently in force in Italy.
2. Acquisition of critical awareness relating to the foundations of the professional relationship with the patient, in a way appropriate to the fundamentals of the profession.
3. To acquire the basics of legal disciplines - criminal law and civil-inherent Integrated Course and the ability 'to use the specific judiciary language' in these disciplines, for medical and health aspects.
4. Capacity to apply the knowledge acquired to the exercise and the context of the medical profession, particularly with regard to responsibility health professional.
5. Acquisition of essential semiotics of Thanatology, pathology and forensic toxicology, forensic pathology in the living (assessment of biological damage, judgment on the subject of disability in 'civil and disability' staff) and for the protection of the disabled.
6. Relevant topics with regard of personal identification and age estimation of live and dead people. Fundamentals on judicial examination and death certification.

## SYLLABUS

Hrs	Frontal teaching
2	Introduction to Legal general medicine. Legal qualifications of physician, duties of judicial report.
2	Duty to the Court and denunciation of crime, Certificates, Professional secrecy and processing of sensitive health data
1	Causality, the causality relationship; singular (unique) and exclusive cause, supervening causality
1	Professional Responsibility: General principles. Professional error theories; moral responsibility; criminal and civil responsibility
1	Responsibility by civil tort, by breach of obligations Kind of responsibility. The damage to be compensated
1	Imputability. Causes of imputability exclusion; Age child; Total and partial defect of mind. Drunkenness and addiction. Chronic intoxication by alcohol and drugs. deaf-mutism
1	Characterization of the offense. The murder in general. Abortion, infanticide and feticide
2	Beatings, willful bodily harm, personal injury. Degrees of arson negligent bodily harm. Personal injury resulting to another crime
1	Sexual violence and Medicolegal Investigations in cases of sexual crimes and abuse of minors.
2	2. TRAUMA Abrasion, excoriation, lacerated and contused wounds, fractures. to stab injury: Injury cutting, puncture wounds, wounds tip and cut, slash wounds
2	Injuries from gunshot wounds: Injury from small arms to single bullet and multiple loads. Characters of the entry wound. Characters of the exit wound. through the characters. Injuries from small arms to charge multipla. Mmajor trauma, Precipitation, Road accidents
2	Generality. direct suffocation, Impiccamento, Strangulation, throttling, Drowning, internal Submerging, Clogging, direct suffocation, Confinement
2	Forensic Toxicology  Poison and poisoning, Diagnosis of poisoning Alcoholism: Clinical and forensic aspects, Alcohol and Driving: Legislation Acute intoxication by alcohol. Drug Addiction: legislative developments in the field of drugs and of drug addiction
1	5.TANATOLOGIA Phenomena immediate primary thanatological, Phenomena consecutive primary thanatological. The hypostasis. The cooling of the body. Acidification and other post-mortem changes. Stiffness' corpse. The dehydration.
2	Autolysis. Putrefaction. Maceration. Sponification. Mummification. Age dating of death
1	6. SOCIAL INSURANCE  Accidents at work and occupational disease. Compulsory insurance against accidents at work and occupational diseases in the agricultural and industrial sectors.

1	Disability for retirement , ordinary disability allowance , regular pension disabilities. Disability Civil , Indemnity of accompanying
1	7. MEDICAL ETHICS The code of medical ethics Italian and European . Confidentiality and professional secrecy . Freedom ' of the patient and the doctor The lawfulness fundamentals ' of the medical act . Information and consent Therapeutic trials
1	DNA AND SCIENTIFIC PROOFS IN FORENSIC MEDICINE
3	Relevant topics with regard of personal identification and age estimation of live and dead people. Fundamentals on judicial examination and death certification.

## MODULE BIOETHICS

*Prof.ssa LUCIA CRAXI' - Sede CHIRONE, - Sede CHIRONE, - Sede IPPOCRATE, - Sede IPPOCRATE*

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### EDUCATIONAL OBJECTIVES OF THE MODULE

Understand the conditions of lawfulness 'of the act dental practitioner, in accordance with different specialist skills, understand the coroner methodology that supports the judgment on the subject of responsibility' professional in different areas of criminal and civil, with particular regard to the rest of the unjust damage. Acquire the ability 'to integrate knowledge of forensic semiotics for a critical approach and an attitude oriented towards research, proving to be able to formulate personal judgments to solve diagnostic problems raised by living people in forensic pathology (damage assessment in dentistry) and corpse, acquiring a basic knowledge of thanatology and asfissologia.  
Being able to identify the needs of citizens with regard to social security / social assistance benefits and the protection of the disabled.

## SYLLABUS

Hrs	Frontal teaching
2	legal qualifications of the physician
2	illegal exercise by doctor. medical records
2	Confidentiality and privacy
2	Material causalness and professional liability
2	Medical malpractice;
2	ethical, civil and medical negligence
2	informed consent
2	intentional and unintentional injury
2	clinical risk management
2	Traumatic asphyxia
2	hanatology: Hypostasis, Rigor mortis, putrefaction, determination of the time of death
2	Labour accident and occupational disease
2	Social assurance: protection of disability
2	Italian and european ethical guidelines;
30	jhealth complaints and Certificates legal qualifications of the physician Professional esercizio abusivo di professione. The medical records; Confidentiality and privacy; Material causalness and professional responsabilità; Medical malpractice; Informed consent; forensic medicine check of biological damage intentional and unintentional injury clinical risk management Traumatic asphyxia Thanatology: Hypostasis, Rigor mortis, putrefaction, determination of the time of death. Labour accident and occupational disease Social assurance: protection of civil retirement and disability Italian and european ethical guidelines;
2	biological damage

## MODULE FORENSIC MEDICINE

*Prof.ssa STEFANIA ZERBO - Sede HYPATIA, - Sede HYPATIA*

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