



UNIVERSITÀ DEGLI STUDI DI PALERMO

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| DEPARTMENT | Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro" | | |
| ACADEMIC YEAR | 2020/2021 | | |
| BACHELOR'S DEGREE (BSC) | PREVENTION TECHNIQUES FOR THE ENVIRONMENT AND WORKPLACE | | |
| INTEGRATED COURSE | PHARMACOLOGY AND TOXICOLOGY - INTEGRATED COURSE | | |
| CODE | 09632 | | |
| MODULES | Yes | | |
| NUMBER OF MODULES | 2 | | |
| SCIENTIFIC SECTOR(S) | MED/43, BIO/14 | | |
| HEAD PROFESSOR(S) | ARGO ANTONINA | Professore Ordinario | Univ. di PALERMO |
| OTHER PROFESSOR(S) | ARGO ANTONINA LAVANCO GIANLUCA | Professore Ordinario Ricercatore a tempo determinato | Univ. di PALERMO Univ. di PALERMO |
| CREDITS | 6 | | |
| PROPAEDEUTICAL SUBJECTS | | | |
| MUTUALIZATION | | | |
| YEAR | 2 | | |
| TERM (SEMESTER) | 2° semester | | |
| ATTENDANCE | Mandatory | | |
| EVALUATION | Out of 30 | | |
| TEACHER OFFICE HOURS | <p>ARGO ANTONINA</p> <p>Monday 13:00 14:00 Edificio 9 Plesso di medicina Legale, piano 1 stanza docente. In modalita remoto: stanza teams "Ricevimento studenti", indirizzo: brrybh8</p> <p>Tuesday 13:00 14:00 Medicina legale c/o Farmacologia, stanza docente, Policlinico</p> <p>LAVANCO GIANLUCA</p> <p>Monday 11:00 13:00 Policlinico P. Giaccone. Edificio 11d Farmacologia 1° piano</p> | | |

DOCENTE: Prof.ssa ANTONINA ARGO

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| PREREQUISITES | any |
| LEARNING OUTCOMES | <p>Knowledge and ability to understand: The course provides an interdisciplinary education with knowledge of disciplines that integrate the skills acquired during studies with forensics and business organization, in order to develop the scientific and technical knowledge necessary to play responsibly the its functions of Orthoptist profession according to the principles and methods of the correct legal and methodological approach as well as the legal obligations related to the role to be filled also with a view of prevention, promotion and health education in accordance with current legislation; further business organization skills times to know the terms of the organization of public health and promote organizational functions.</p> <p>Capacity to apply knowledge and understanding: during the course the training will tend to achieve a preparation that allows students to apply, with professional autonomy, principles and rules that define the field of activity and responsibility of the orthoptist with particular attention to the legal and organizational aspects of the profession.</p> <p>Making judgments: acquisition of legal organizational, legal and medical expertise for the protection of citizens rights, and managerial skills aimed at understanding how they can be managed to the best use of resources in the social and health sector in accordance with regulations.</p> <p>Enable communication: Training through the course allows the student to complete the updating of their professional profile and research as well as to apply, with professional autonomy, principles and rules that define the field of professional activity and responsibility.</p> <p>Capacity of Learning: The training in this area is aimed at guiding the process, the orthoptist act towards the individual and the community.</p> <p>Suggestisci una modifica</p> |

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| | <p>Google Traduttore per il Business:Translator ToolkitTraduttore di siti webStrumento a supporto dell'export</p> |
| ASSESSMENT METHODS | <p>Final evaluation is performed by oral exam according to the University calendar. An optional written test also may be used. The oral exam consists of an interview, in order to check skills and knowledge of the content of the course; the interview will relate to one or more relevant open or semi-structured questions. The questions tend to verify the acquired knowledge, the ability of organization and processing clinical skills and the ability to display the same. The ability of content organization and processing turns to test the clinical argument and applying concepts in a professional context. Oral presentation ability will be evaluated with a score gradually increasing according the use of</p> |

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| | language adequate sufficiently articulated to the professional conditions. The sufficiency threshold will be reached 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; he/she should show his own capacity and argumentative as to allow the transmission of his knowledge to the examiner. Below this threshold, the examination will result insufficient. The more, however, the examinee is able to interact with the examiner, and how much more his/her knowledge and ability go into the details of verification, the more the assessment will be positive. The assessment is carried out of thirty. Oral examination rating : 30-30L excellent; 27-29 very good ; 24-26 good; 21-23 discreet; 18-20 sufficient; 1-17 insufficient. |
| TEACHING METHODS | frontal lessons |

MODULE PHARMACOLOGY

Prof. GIANLUCA LAVANCO

SUGGESTED BIBLIOGRAPHY

Katzung & Trevor's – Farmacologia – Quesiti a scelta multipla e compendio della materia. IV edizione italiana a cura di L. Brunetti – M. Tagliatela. PICCIN
Tossicologia generale e applicata ai farmaci - Walter Balduini, Lucio G. Costa - Ed. edra

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| AMBIT | 10359-Primo soccorso |
| INDIVIDUAL STUDY (Hrs) | 45 |
| COURSE ACTIVITY (Hrs) | 30 |

EDUCATIONAL OBJECTIVES OF THE MODULE

The goal of this course is to knowing the basics of pharmacokinetics and pharmacodynamics and also understand the mechanisms of toxicity of the principal chemicals and natural compounds and their role in the genesis of different pathology

SYLLABUS

| Hrs | Frontal teaching |
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| 1 | INTRODUCTION AND PRESENTATION TO THE COURSE |
| 4 | ABSORPTION, DISTRIBUTION, AND EXCRETION OF TOXICANTS. Absorption of toxicants by the gastrointestinal tract, lungs and skin. Volume of distribution. Storage of toxicants in tissue. Passage of toxicants across blood-brain barrier and placenta. Redistribution. Biotransformation of Xenobiotics. General principles. Xenobiotic biotransformation by phase I and II. Activation or inhibition of xenobiotics by cytochrome P450. Toxicokinetics |
| 4 | PHARMACODYNAMICS. Mechanisms of drug action. Receptors and drug-receptor interactions. Agonists and antagonists: partial and inverse agonists. Dose-response curves. Types of drug antagonism. Therapeutic index. Factors affecting drug response. |
| 2 | GENERAL PRINCIPLES OF TOXICOLOGY: mechanism of toxicity, risk assessment (NOAL, LOAL, ADI, TMDI) |
| 2 | ADVERSE REACTIONS. Adverse reactions between drugs, drug interactions, pharmacovigilance. |
| 5 | NON-ORGANIC DIRECTED TOXICITY. Chemical carcinogenesis, genetics toxicology and developmental toxicology. |
| 5 | TOXIC AGENTS. Toxic effects of pesticides, metals, solvents and vapors. Toxic effects of radiation and radioactive material |
| 4 | OCCUPATIONAL TOXICOLOGY. Toxic responses of blood, immune system, liver, kidney, respiratory system, nervous system, heart and vascular system, following exposure to potentially toxic substances. |
| 3 | TOXIC EFFECTS OF THE PRINCIPAL LEGAL SUBSTANCES OF ABUSE. Alcohol, Cannabinoids, Nicotine |

**MODULE
FORENSIC MEDICINE**

Prof.ssa ANTONINA ARGO

SUGGESTED BIBLIOGRAPHY

Medicina Legale; C.Puccini, 2003, Casa Ed. Ambrosiana, Milano. Medicina Legale orientata per problemi (Argo et al., II edizione 2018)

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| AMBIT | 10363-Scienze della prevenzione e dei servizi sanitari |
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| INDIVIDUAL STUDY (Hrs) | 45 |
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| COURSE ACTIVITY (Hrs) | 30 |
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EDUCATIONAL OBJECTIVES OF THE MODULE

Know the fundamental obligations inherent in the professional practice of the health professions, and of the Orthoptic profession in particular, with regard to the Judicial Authority and the public health authority currently in force in Italy. Acquire the basic notions of legal disciplines related to the Integrated Course, and the ability to use the specific language of these disciplines for medical-health aspects. Being able to apply the knowledge acquired in the context of the practice of the profession, with particular regard to professional responsibility, also in the activity of a team. Knowing how to communicate in a clear way the acquired knowledge and having developed the learning skills that allow them to continue to study independently

SYLLABUS

| Hrs | Frontal teaching |
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| 1 | 49/5000 Ethical rules and ethical precepts Code of ethics |
| 2 | Juridical qualifications of health professionals, Report and Report |
| 3 | Report of Crime Beating and personal injury Professional secrecy and protection of sensitive data |
| 4 | General and Specific Principles of Professional Liability: Criminal, Civil, Administrative and Ethical Responsibility as a team; Civil liability; Liability for unlawful acts; Moral and deontological responsibility |
| 2 | Risk management |
| 1 | Information and consent to health treatment |
| 2 | ethical aspects of the beginning of life and end of life; the living will |
| 3 | Health documentation: Medical record and integrated folder: legal foundations |
| 2 | Optional and mandatory certificates |
| 3 | The crime: subjective elements and objects of the crime and classification |
| 4 | Sexual violence: legal, medical and procedural aspects |
| Hrs | Practice |
| 3 | Problem solving |