

Degree Course in Dentistry and Dental Prosthetics 2021/2022

Integrated Course: Forensic and Employment Medicine

CFU Number: 5

Coordinator of the Integrated Course: Prof. Antonio Pietroiusti e-mail: antonio.pietroiusti@unicamillus.org;

Module: Employment Medicine

SSD: MED/44

CFU Number: 2

Professor's name: Prof. Antonio Pietroiusti; e-mail: antonio.pietroiusti@unicamillus.org;

Module: Forensic Medicine

SSD: MED/43

CFU Number: 3

Professor's names: Prof. Michele Farinacci; e-mail: michele.farinacci@unicamillus.org

PREREQUISITES

There are no mandatory prerequisites. Basic knowledge is required in the following subjects: medical physics, cell and general biology, medical genetics, anatomy, physiology, biochemistry, microbiology, hygiene and environmental prevention.

LEARNING OBJECTIVES

At the end of the course the student will acquire the knowledge related to:

- The regulatory framework for maintaining the health and safety (H&S) both at individual and community level in the occupational setting;
- The legislation and practice for health promotion and the ability to recognize situations of specialistic pertinence.
- Norms regulating health organization and their applications in occupational medicine is also required.
- The legal and ethical rules that are essential for the exercise of the healthcare professional by highlighting the limits, prerogatives, rights and behavioural duties in health care, with particular reference to the professional responsibility of the practitioner and informed consent, with detailed mention to the dentist;
- Scientific and technical knowledge useful for carrying out of technical advice as required by the Administration of Justice; with particular regard issues related to the causal link, tanatochronology, injuries in cadaver and in the living individuals, identification, and assessment of damage to the person in relation to specific situations of impairment.
- The Italian system of social protection and security in relation to the specific protected event;
- Trauma by the different causes, asphyxia and toxicology.

LEARNING OUTCOMES

Knowledges and comprehension skills

At the end of the course, the student will be able to explain, evaluate and define:

- The Meaning of Occupational Medicine, temporal evolution and legislative aspects.
- General and specific risks for workers.
- Methods for risk assessment.
- Health surveillance.
- Fitness and unfitness for work.
- The basilar principles of Occupational Medicine, how to perform risk assessment, and the steps of health surveillance.
- The criteria of risk assessment and should be able to apply them.
- The Italian legislation of health interest.
- the Italian judicial system.
- The legislation related to sectorial and mortuary, judicial and sanitary types of activities.
- The importance of macro and microscopic sectorial activity and differential diagnosis
- The main aspects of forensic pathology with attention to different types of injuries.

Applying knowledge and understanding skills

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

- Translating the acquired knowledge into the future occupational activities
- To provide a differential diagnosis based on the results of sectorial activities, examining data arising from inspection of scene crime and previous clinical picture.
- To Participate in the study or discussion of cases related to forensic pathology of healthcare professionals, by civil, penal, Order compulsory registration, disciplinary and administrative-accounting professional responsibility.

Communication skills

At the end of the course, the student will have to:

- achieve a proper use of the specific H&S scientific terminology.
- provide elements for the specific language of the matter.

Making judgements

At the end of the course, the student will have to:

- Achieve the ability to perform general assessments related to the topics covered
- Provide elements for an independent judgment on the legal dispute and the medical-legal issue under consideration.

Learning skills

At the end of the course, the student should have acquired independent method for studying and updating through different kind of literature or through scientific literature.

COURSE SYLLABUS

Employment Medicine Module

KEY CONCEPTS:

1. Occupational Risk
2. Occupational Disease
3. Accident at work
4. Health surveillance

Topic I. Historical evolution of Occupational Medicine (Castellino, Anzelmo, Castellani, Pofi. Breve storia della Medicina del lavoro in Italia. Pag 15-165)

Topic II Chemical risk in Occupational Medicine (Perbellini, Sartorelli, Satta, Cocco, Genovese, Monaco, Miraglia, Oddone, Taino, Imbriani, Colosio, Candura, Manzo. Parte Terza Agenti Chimici. In "Manuale di Medicina del Lavoro" a cura di Tomei, Candura, Sannolo, Sartorelli, Costa, Perbellini, Larese-Filon, Maestrelli, Magrini, Bartolucci, Ricci. Pag 165-245)

Topic III Risk related to physical agents (De Vito, Riva, Cassano, Tomei, Suppi, Albera, Pimpinella, Peretti, Pasqua di Bisceglie, Gambelunghe, Abbritti, Trenta, Gobba. Parte Seconda. Agenti Fisici. In "Manuale di Medicina del Lavoro" a cura di Tomei, Candura, Sannolo, Sartorelli, Costa, Perbellini, Larese-Filon, Maestrelli, Magrini, Bartolucci, Ricci. Pag 109-161)

Topic IV. Biological risk (Porru, Arici, Rosati, Giubilati, Suppi, Fianza, Ricci, Nardone, Tomei. Parte Quarta. Agenti Biologici. In "Manuale di Medicina del Lavoro" a cura di Tomei, Candura, Sannolo, Sartorelli, Costa, Perbellini, Larese-Filon, Maestrelli, Magrini, Bartolucci, Ricci. Pag 249-269)

Topic V. Alcohol and drug abuse at work (Bordini, Briatico-Vangosa. Parte Quinta. Alcol e droghe sul luogo di lavoro. In "Manuale di Medicina del Lavoro" a cura di Tomei, Candura, Sannolo, Sartorelli, Costa, Perbellini, Larese-Filon, Maestrelli, Magrini, Bartolucci, Ricci. Pag 347-352).

Forensic Medicine Module

Introducing To The Discipline. Definition, History And Sections

Deontology, Ethical Principles And Bioethics

Professional Secret

Medical Judicial Report

Informed Consent

Causalty Nexus And Medical-Legal Causation

Medical Records

Tanatology, Tanatocronology, Identification And Inspection

Traumatology. Asphixia And Toxicology

The Assessment Of Damage To The Person

Public Or Compulsory Insurance

Professional Responsibility Of Health Care Professionals

Professional Responsibility Of The Dentist

Court Administration Technical Counseling
Re-Examination Of Most Important Topics In Legale Medicine

COURSE STRUCTURE

The integrated course consists of frontal lectures, for a total amount of 50 hours, divided in the following modules:

- 20 hours of frontal teaching for the Employment Medicine module, divided into lessons of 2 hours depending on the academic calendar. The lectures include theoretical lessons and supplementary seminars on the topics covered.
- 30 hours of frontal teaching and case studies for the Forensic Medicine module.

Attendance is compulsory according to the thresholds indicated in the academic regulations of the course of study.

COURSE GRADE DETERMINATION

The Course grade determination will be assessed through a written test followed by an oral test. The written test will be a multiple choice written test aimed to verify the student's ability to making judgments, communication skills and learning skills according to the Dublin descriptors. The test should last about 30 minutes (One minute per question). During the oral exam, the examining board will evaluate the student's ability to apply his skills. A basic level of knowledge is required to achieve the objectives. During the course course is given the opportunity to do a paper, optional, in-depth study on a topic and verification of learning through QSM without efficacy to pass the exam.

OPTIONAL ACTIVITIES

In addition to classes, there will be provided the opportunity to learn in seminars and monographic courses. The topics of the activities will not be a subject of examination. Possible deepening of some issues, also examining practical cases.

READING MATERIALS

- "Manuale di Medicina del Lavoro" a cura di Tomei, Candura, Sannolo, Sartorelli, Costa, Perbellini, Larese-Filon, Maestrelli, Magrini, Bartolucci, Ricci. Pag 1-526
- "Medicina del Lavoro. Manuale per le professioni sanitarie" Sacco, Ciavarella, De Lorenzo. Pag 1-195
- American college of legal medicine, Legal Medicine, Mosby Elsevier Press
- Clark Michael and Crawford Catherine, Legal Medicine in history, Cambridge University press
- Puccini Clemente, Istituzioni di medicina legale, CEA



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- De Leo Domenico – Orrico Marco, Medicina legale e delle assicurazioni in odontoiatria e protesi dentaria, Edizioni Libreria Cortina Verona
- Società italiana di medicina legale e delle assicurazioni, linee guida per la valutazione medico-legale del danno alla persona in ambito civilistico, Giuffrè Editore