

PREVENZIONE SANITARIA DELLE MALATTIE PROFESSIONALI (PAU010)

1. language

Italian.

2. course contents

Coordinator: Prof. MARIA LUISA DI PIETRO

Year Course: 2nd

Semester: 2nd

UFC: 5

Modules and lecturers:

- BIOETICA (PAU058) - 1 CFU - SSD MED/43 - Prof. Maria Luisa Di Pietro
- IGIENE GENERALE ED APPLICATA-IGIENE AMBIENTALE 3 (PAU056) - 2 CFU - SSD MED/42 - Prof. Marco Lembo
- MEDICINA DEL LAVORO - MALATTIE DEL SANGUE, CUTANEE (PAU059) - 1 CFU - SSD MED/44 - Prof. Umberto Moscato
- ONCOLOGIA AMBIENTALE E PROFESSIONALE (PAU057) - 1 CFU - SSD MED/06 - Prof. Daniele Generali

3. bibliographY

Bioethics

Recommended:

Lecture notes/teaching materials provided by the teacher

Di Pietro ML. Bioetica e Famiglia, Città del Vaticano: Lateran University Press, 2008 (2014, ristampa). Chapters 1,2,3,9

Di Pietro ML., Bucci R. Educazione alla salute. In AA.VV., Igiene, Medicina preventiva e sanità pubblica, Napoli: Idelson Gnocchi, 2021: 309-319.

General and Applied Hygiene- Environmental Hygiene 3

Recommended:

Lecture notes/teaching materials provided by the teacher

AA.VV., Igiene, Medicina preventiva e sanità pubblica, Napoli: Idelson Gnocchi, 2021

·INDICAZIONI OPERATIVE PER LA PREVENZIONE DEI LAVORATORI DAI RISCHI DA AGENTI FISICI AI SENSI DEL DECRETO LEGISLATIVO 81/08: TITOLO VIII CAPO I, RADIAZIONE SOLARE; MICROCLIMA; RUMORE; VIBRAZIONI.

Indicazioni Operative per la Prevenzione dei Lavoratori dai rischi di Agenti fisici ai sensi del decreto Legislativo 81/08: Titolo VIII capo I, Radiazione Solare, Microclima, Rumore, Vibrazioni. INAIL E ISS del 21/07/2021

INAIL. La Postazione al videoterminale. 2022

INAIL. Postura di lavoro al VDT. 2022

INAIL. Caratteristiche dell'ambiente di lavoro nei quali di fa uso di VDT. 2022

D. LGS. N. 81/08 Testo Unico di Sicurezza su Lavoro

Occupational Health – Skin and Blood Disorders

Recommended:

Lecture notes/teaching materials provided by the teacher

Santoro PE, Borrelli I, Gualano MR, Proietti I, Skroza N, Rossi MF, Amantea C, Daniele A, Ricciardi W, Potenza C, Moscato U. The Dermatological Effects and Occupational Impacts of Personal Protective Equipment on a Large Sample of Healthcare Workers During the COVID-19 Pandemic. *Front Public Health*. 2022 Jan 24; 9:815415. doi: 10.3389/fpubh.2021.815415. eCollection 2021. PMID: 35141194

Proietti I, Borrelli I, Skroza N, Santoro PE, Gualano MR, Bernardini N, Mambrin A, Tolino E, Marchesiello A, Marraffa F, Michelini S, Rossi G, Volpe S, Ricciardi W, Moscato U, Potenza C. Adverse skin reactions to personal protective equipment during COVID-19 pandemic in Italian health care workers. *Dermatol Ther*. 2022 Jun;35(6): e15460. doi: 10.1111/dth.15460. Epub 2022 Mar 23. PMID: 35306721

Ricciardi W, Angelillo IF, Brusaferrò S, De Giusti M, De Vito E, Moscato U, Pavia M, Siliquini R, Villari P. *Igiene per le Professioni Sanitarie II Edizione*. Casa Editrice Idelson-Gnocchi, Napoli, 2019.

Environmental and Professional Oncology

Recommended:

Lecture notes/teaching materials provided by the teacher

4. learning objectives

The integrated course aims to deepen the specialist knowledge of topics related to different disciplines in the medical and bioethics field. In this way, the student will be able to deal competently with the health prevention of occupational diseases. At the end of the integrated course, the student must demonstrate that they have acquired the following skills and knowledge:

Knowledge and understanding. Demonstrate knowledge and understanding of the etiopathogenesis of major occupational diseases and the consequent opportunities for the prevention of environmental and oncological diseases.

Applying knowledge and understanding. Knowing how to integrate the knowledge and skills learned for the development of appropriate occupational health prevention strategies, with reference to environmental and oncological aspects in respect of the person (worker) and the community.

Making judgements. Being able to assess occupational risk, integrating the knowledge and skills learned to correctly frame the clinical picture related to diseases resulting from exposure to environmental xenobiotics, with reference to oncological diseases. Students must be able to distinguish the correct information sources, formulating judgments based on the good of the person and the common good, managing to move in a bioethical evaluation even knowing how to start from principles of reference and currents of thought.

Communication skills. Being able to communicate scientific contents and applications in a clear and unambiguous way, using correctly the technical language appropriate to the dissemination of content related to the prevention of occupational diseases, explaining its

conclusions and the knowledge and rationale behind them to specialist and non-specialist interlocutors.

Learning skills. Be able to update and expand their knowledge by independently drawing on texts, scientific articles, databases and online platforms (such as: Medline; ISPRA/ARPA databases, ISTAT; UpToDate) and gradually acquire the ability to follow specialist seminars, conferences, master's degrees etc.

5. PREREQUISITES

It is necessary that students have acquired the knowledge related to the basic disciplines provided in the three-year degree courses preparatory to this class of degree, with reference to general and applied pathology, genetics, epidemiology, environmental hygiene I.

6. teaching methods

The teaching methodology is based on lectures delivered providing both the basic elements of the various disciplines and the application perspectives:

Knowledge and understanding: the lessons aim to stimulate the student's understanding by provoking in him the search for the analytical explanation of the offered contents and the reflection in first person through the interrogation of sources, data and surveys and comparison with national and international studies on the issues and issues presented.

Applying knowledge and understanding: the lessons are always the starting point for the debate that implies a comparison between the students on the learned contents and allows the Teacher to refocus the content and to present it again through problem-cases and the questions that the students raise.

Making judgements: the capacity for judgement matures through the work of lectures and, particularly for the bioethics part, of cooperative learning through which, after indications of group work, a clear capacity of analysis and synthesis of the theoretical issues presented in the contents.

Communication skills: the intervention and the participation punctual through the exposure of works of group and individual to expose and to introduce to the class also in sight of the test of examination, also through the production of works of writing and analysis also in multimedia form.

Learning skills: students are encouraged to research from the content offered and to report on them with scientific rigor and attention to detail.

7. other informations

Teachers receive by appointment (e-mail request). Students are requested to attend at least 65% for each of the four Modules. Students can access learning evaluation (oral exam and tests) only if their attendance is consistent with the above threshold.

8. methods for verifying learning and for evaluation

The exam consists of written and/or oral tests that will focus on the contents of the course

modules. The final grade will be derived from the weighted average (proportional to the number of CFUs of each module) of the result obtained in each module. The student who responds fully to all the tests of all the modules of the course, achieves the maximum score.

9. program

Bioethics

Ethical reasoning. Moral responsibility and ethics of responsibility. Health promotion and prevention of risk behaviour. Ethical issues in workplace safety.

General and Applied Hygiene- Environmental Hygiene 3

Introduction to Legislative Decree n. 81/08. Introduction to Risk Assessment. Microclimate. Classification of Thermal Environments. Thermal Comfort Indexes. Thermal Stress Indexes. Air Quality – Carbon Dioxide. Working at DSE. General and Workstation lighting. Mechanical Vibrations. Instruments and Risk. Assessment Methods. National And International Technical Standards. Prevention and Protection Measures.

Occupational Health – Skin and Blood Disorders

Exposure to chemical, physical, biological agents, dose-effect expression and correlated hematological and skin disorders. Common occupational skin and blood disorders. Principles of environmental assessment, collective and individual prevention measures. Identification and protection of vulnerable workers.

Environmental and Professional Oncology

General concepts (epidemiology, aetiology, growth and spread patterns, staging, principles of therapy, surveillance strategies).

Most frequent neoplasms related to exposure to chemical, physical, biological agents, and/or dose-effect expression

Principles of therapy (drugs, complications, side effects) and management of oncology therapy (administration methods, protective measures to be implemented)

Risks to staff, patients, visitors, environmental pollution from antineoplastic drugs, contamination, occupational exposure).

Prevention of the risk of carcinogens in the workplace: rules of the European Code against Cancer.