



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro"
ACADEMIC YEAR	2021/2022
BACHELOR'S DEGREE (BSC)	PREVENTION TECHNIQUES FOR THE ENVIRONMENT AND WORKPLACE
INTEGRATED COURSE	MEDICAL AND OCCUPATIONAL SCIENCES - INTEGRATED COURSE
CODE	17609
MODULES	Yes
NUMBER OF MODULES	2
SCIENTIFIC SECTOR(S)	MED/44, MED/09
HEAD PROFESSOR(S)	MANSUETO PASQUALE Professore Associato Univ. di PALERMO
OTHER PROFESSOR(S)	CANNIZZARO Professore Associato Univ. di PALERMO EMANUELE MANSUETO PASQUALE Professore Associato Univ. di PALERMO
CREDITS	9
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	2
TERM (SEMESTER)	2° semester
ATTENDANCE	Mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	CANNIZZARO EMANUELE Monday 09:30 11:00 Medicina del Lavoro. Primo piano stanza docente MANSUETO PASQUALE Monday 12:00 13:00 Centro Ipertensione (Prof. GB Rini), piano -1

<p>PREREQUISITES</p>	<p>The student must have basic knowledge of biology, chemistry, physics, human anatomy and physiology, hygiene</p>
<p>LEARNING OUTCOMES</p>	<p>Knowledge and ability to understand: the student knows the main occupational risk factors linked to technological cycles of industry, agriculture and fisheries; he knows the main occupational diseases resulting from such activities and the main diseases caused by psychological distress in the workplace; he knows the activities of prevention to be applied in the workplace; he owns knowledges on pathophysiological and clinics aspects and on diagnosis and treatment of major diseases of internal medicine, with a focus on diseases caused by exposure to environmental and work related risk factors; he can interpret the main morphological and functional abnormalities of the organism found in most common diseases; he knows some algorithms and diagnostic flow chart applied to the most relevant diseases. The assessment of knowledge and implemented through oral interview.</p> <p>Ability to apply knowledge and understanding: the student properly evaluates the main risks to health arising from work activities' and knows how to take appropriate preventive and protective measures against diseases, injuries and accidents, maintaining and promoting the health of workers; he knows how to identify the main environmental risk factors related to the various work activities; he knows the physiological values of laboratory parameters and instrumental useful for clinical investigation. The assessment of knowledge and implemented through oral interview.</p> <p>Making judgments: he is able to interpret and choose the data required for preventive interventions to be implemented in the work environment in order to eliminate or reduce the risks in workplaces; he is able to choose personal protective devices and their proper use for the prevention of the most frequent illnesses in the workplace.</p> <p>Enable communication: has the ability to interact with the figure of the physician involved in the prevention; knows how to communicate, clearly, issues and environmental prevention solutions to both specialist and non-specialist.</p> <p>Capacity 'of learning: and' able to collect, organize and interpret correctly the health and biomedical information from different resources and databases available; and 'able to update their knowledge by consulting their own scientific publications; He knows the principles of scientific research; You know how to use the technology associated with information and communications as a proper support for environmental surveillance and monitoring of the health status.</p>
<p>ASSESSMENT METHODS</p>	<p>The candidate will have to answer at least two / three questions posed orally, on all parts of the object program, with reference to the recommended texts. Final assessment aims to evaluate whether the student has knowledge and understanding of the topics, has acquired interpretative competence and independence of judgment in concrete cases. The pass mark will be reached when the student shows knowledge and understanding of Topics at least in general terms, and has minimal application skills (to be defined!) in order to resolution of specific cases; It will also have presentation skills and argumentative such as enable the transmission of his knowledge to the examiner. Below this threshold, the examination result is insufficient. Most, however, the examinee with its argumentative and presentation skills can interact with the examiner, and most his knowledge and application capabilities go into detail the discipline of verification, most the assessment is positive. The assessment is carried out of thirty.</p> <p>Evaluation outcome rating</p> <p>A – A+ Excellent Excellent knowledge of teaching content; the student demonstrates high analytic-synthetic capacity and is able to apply the knowledge to solve problems of high complexity</p> <p>B Very good Excellent knowledge of teaching content and excellent properties of language; the student demonstrates analytical-synthetic capacity and able to apply the knowledge to solve problems of medium complexity and, in some cases, even high</p> <p>C Good Good knowledge of teaching content and good properties of language; the student is able to apply the knowledge to solve problems of medium complexity</p> <p>D Satisfactory Good knowledge of teaching content, in some cases limited to the main topic; acceptable ability to use the specific language of the discipline and independently apply the knowledge acquired</p> <p>E Sufficient Minimal knowledge of teaching content, often limited to the main topic; modest ability to use the specific language of the discipline and to apply independently the knowledge acquired</p> <p>F Fail The student does not possess an acceptable knowledge of the main teaching content; very little or no ability to use the specific language of the discipline and independently apply the knowledge acquired</p>
<p>TEACHING METHODS</p>	<p>lectures on the topics listed in the program, including presentation of papers published in scientific journals and discussion, guided tours in companies</p>

**MODULE
OCCUPATIONAL MEDICINE**

Prof. EMANUELE CANNIZZARO

SUGGESTED BIBLIOGRAPHY

Manuale di Medicina del Lavoro e Igiene Industriale, L. Alessio – P. Apostoli (PICCIN EDITORE)

AMBIT	10364-Scienze interdisciplinari cliniche
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INDIVIDUAL STUDY (Hrs)	90
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COURSE ACTIVITY (Hrs)	60
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EDUCATIONAL OBJECTIVES OF THE MODULE

To present, analyze and discuss technical and prevention methods, describing surveillance and control activities for improving the health status of workers.

To induce training aimed at supporting the evaluation and resolution of public health issues related to occurrence of health events in work environments.

SYLLABUS

Hrs	Frontal teaching
4	Risk concept; identification and classification of professional risk factors, as well as their connection with the main work activities.
4	Prevention definition and methodologies of application for the purposes of health promotion in the workplace
20	Knowledge of technological cycles in the wood industry, in the metalworking sector (welding, painting), in the ceramics, fishing, agriculture, in the plastics production industry, in the textile sector. Possible planning of guided tours to local artisan industries
6	Pathologies from exposure to physical risk factors: electricity, noise, ionizing radiation, vibrations, baropathies, including prevention activities. Presentation of specific cases.
6	Pathologies from exposure to chemical risk factors: powders, plant protection products, solvents, metals, including prevention activities. Presentation of specific cases
6	Biological risk exposure disorders, including prevention activities. Presentation of specific cases.
8	Posture damage, load handling, VDT work, stress, bullying, burn-out, shift and night work. Presentation of specific cases
3	Risks in hospital environment
3	Knowledge of the main regulations regarding workplace safety.

**MODULE
INTERNAL MEDICINE**

Prof. PASQUALE MANSUETO

SUGGESTED BIBLIOGRAPHY

Claudio Rugarli. Manuale di Medicina Interna Sistemática. Masson Italia;
Proiezioni in PowerPoint;
Selezione di articoli della letteratura scientifica.

AMBIT	10362-Scienze medico-chirurgiche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowing epidemiological data and the etiology of more frequently observed occupational diseases; learn about workplace environmental hazards and be able to identify appropriate measures for their removal; knowledge of the most important laws about prevention and safety in the workplace; know the taxonomy, epidemiology, etiopathogenesis, clinical phenomenology, natural history, differential diagnosis and therapeutic management of the most common acute and chronic diseases, with particular reference to environment-related diseases; understand, the clinical, diagnostic and prognostic value of some laboratory and imaging tests (serology and coagulation, EGA, spirometry, diagnostic and therapeutic thoracentesis and paracentesis, diagnostic radiology) of some internist clinical entities, analyzed throughout the course.

SYLLABUS

Hrs	Frontal teaching
6	The concept of health and disease, the holistic approach to the patient, interview techniques, principles of clinical methodology, proper nutrition, the concept of complex and complicated disease, the medical records.
12	Celiac Disease, allergies and food intolerances. Epidemiology, pathogenesis, pathology, clinical, natural history, diagnosis and diet therapy.
6	Latex allergy and contact dermatitis. Epidemiology, pathogenesis, clinical manifestations, diagnosis. Clinical aspect of latex allergy, the "latex-free" hospital.
6	Prion diseases and the industrial food system. The origins, the prion as biological absurd, transmissible spongiform encephalopathies, inherited and acquired forms, from the Kuru to Creutzfeldt-Jakob variant, containment measures.