



UNIVERSITÀ DEGLI STUDI DI PALERMO

DEPARTMENT	Promozione della Salute, Materno-Infantile, di Medicina Interna e Specialistica di Eccellenza "G. D'Alessandro"		
ACADEMIC YEAR	2022/2023		
BACHELOR'S DEGREE (BSC)	NURSING		
INTEGRATED COURSE	NEUROLOGY, CARDIOLOGY AND RADIOLOGY - INTEGRATED COURSE		
CODE	21847		
MODULES	Yes		
NUMBER OF MODULES	3		
SCIENTIFIC SECTOR(S)	MED/26, MED/36, MED/11		
HEAD PROFESSOR(S)	CORRADO EGLE	Professore Associato	Univ. di PALERMO
OTHER PROFESSOR(S)	CORRADO EGLE	Professore Associato	Univ. di PALERMO
	GANGITANO MASSIMO	Ricercatore	Univ. di PALERMO
	CANNELLA ROBERTO	Ricercatore a tempo determinato	Univ. di PALERMO
CREDITS	9		
PROPAEDEUTICAL SUBJECTS			
MUTUALIZATION			
YEAR	2		
TERM (SEMESTER)	1° semester		
ATTENDANCE	Mandatory		
EVALUATION	Out of 30		
TEACHER OFFICE HOURS	CANNELLA ROBERTO Wednesday 09:00 - 14:00 Policlinico Paolo Giaccone, Servizio Centralizzato di Diagnostica per Immagini, Primo Piano. CORRADO EGLE Thursday 12:00 - 14:00 U.O.C di Cardiologia GANGITANO MASSIMO Wednesday 15:00 - 17:00 via del Vespro 129		

DOCENTE: Prof.ssa EGLE CORRADO

PREREQUISITES	Attendance of the course of human anatomy and physiology
LEARNING OUTCOMES	Knowledge and ability of comprehension Acquisition of basic concepts of internal medicine, gastroenterology and pharmacology. Ability to apply knowledge and comprehension Ability to build pathways of analysis between human pathologies and pharmacological approaches. Autonomy of judgment Knowledge of the theoretical and practical connections between the mechanisms of disease and the clinical manifestations of diseases and the pharmacological therapies. Ability of communication Synthesis and exposure skills related to the main topics of the course Ability of learning Ability to follow interdisciplinary pathways and correlation between etiology, pathogenesis and clinical presentation of acute and chronic diseases.
ASSESSMENT METHODS	The oral examination whose purpose is to verify due competences and the ability of personal synthesis concerning the program. The assessment is given in numbers (from 18 to 30). Students will have to answer orally at least three questions concerning the program and the texts suggested during lectures. Questions asked verify: a) acquired competences; b) ability of elaboration; c) the acquisition of adequate abilities of presentation; d) personal autonomy of judgment. Distribution of marks. 30 – 30 cum laude: a) advanced knowledge concerning suggested topics and deep comprehension of the principles relative to the subjects studied b) advanced ability of application of acquired knowledge and full mastery of the most effective instruments to conceive a cultural analysis based on particular theoretical orientations c) correct use of the specific subjects relative to the discipline d) excellent ability to organize, in an autonomous and innovative way, topics relative to the discipline 26 – 29: a) exhaustive and complete knowledge associated to a critical awareness b) good ability of application concerning acquired knowledge and good level of competence concerning the most effective instruments suited to make a cultural analysis on the basis of some theoretical orientations c) good competence of the specific orientations and disciplinary languages d) ability of organization due topics in an autonomous and innovative way 22 – 25: a) knowledge of facts, principles and general concepts concerning the program b) more than basic ability of application concerning methods and instruments relative to the studied subjects c) more than basic competence of the specific orientations and disciplinary languages d) more than basic ability of organization relative to due topics 18 – 21: a) sufficient knowledge of the main topics concerning the program to study b) sufficient capacity of application of the studied subjects c) sufficient competence of the general orientations and disciplinary languages d) sufficient ability of organization relative to due topics
TEACHING METHODS	Frontal lectures and interactive discussion with the students

MODULE NEUROLOGY

Prof. MASSIMO GANGITANO

SUGGESTED BIBLIOGRAPHY

J. Cambier, M. Masson, H. Dehen: Neurologia. Editore Masson, 2013

AMBIT	10313-Interdisciplinari e cliniche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Educational objective of neurology module is to provide students with theoretical and practical tools useful to recognize and evaluate clinical symptoms and conditions that need the contribution of the neurologist. This objective will be pursued through knowledge of some neurological disorders, which will be carried out starting from the understanding of individual clinical cases, with the use of diagnostic algorithms. The student will have to show, with clarity and appropriateness, nurse functions during the welfare and therapeutical approach to neurological disorders. Mechanisms responsible of the origin of some diseases of the nervous system will also be analyzed. It will be ensured that students will learn the procedures for practical application of knowledge and improve their ability to independently access to the main bibliographic and scientific sources of clinical neurology

SYLLABUS

Hrs	Frontal teaching
2	Semeiology of movement
2	Neuropsychology
2	Epilepsy
2	Perypheral nervous system
2	Mutiple Sclerosis
2	Motor neuron diseases
3	Basal ganglia disorders
4	Cerebrovascular diseases
2	Headaches
2	Brain trauma
2	Infectious diseases
3	Dementia
2	Diseases of the muscle and of the neuromuscular junction

MODULE
IMAGE DIAGNOSTICS AND RADIOTHERAPY

Prof. ROBERTO CANNELLA

SUGGESTED BIBLIOGRAPHY

Dispense del docente

Cittadini. Diagnostica per immagini e radioterapia. Ediz. illustrata Copertina flessibile – 30 giu 2015 ISBN: 8821440001

AMBIT	10312-Prevenzione servizi sanitari e radioprotezione
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Provide students key knowledge elements relating to Ionizing (RI) and Non-Ionizing (NIR) Radiations aimed at creating an information framework that allows them to independently and correctly assess the risks associated with the use of the aforementioned radiations, as well as their main applications in diagnostic and therapeutic field.

SYLLABUS

Hrs	Frontal teaching
8	Knowledge of fundamentals of physics, characterization of ionizing radiation, health problems related to exposure to ionizing radiation
2	Non-ionizing radiation: physical characteristics and application in diagnostic imaging.
8	Principles of Radiobiology
2	Contrast media: classification and characteristics; clinical applications; adverse reactions and related measures. Patient preparation and management.
8	Risks related to exposure to radiation and protective devices. Examples and discussion.
2	Italian Health legislation with particular regard to the principles of applicability of radiation protection for workers exposed to radiation-related risks. Assessment of risks related to radiation exposure.

MODULE CARDIOVASCULAR SYSTEM DISEASES

Prof.ssa EGLE CORRADO

SUGGESTED BIBLIOGRAPHY

Rugarli C., Medicina Interna Sistematica. Editore EDRA (2021). ISBN9788821450952
S. Dalla Volta. Malattie del cuore e dei vasi. McGraw-Hill Education (2005)
Cardiologia per studenti e medici di medicina generale. EDIZIONI Idelson Gnocchi. ISBN: 9788879477079

AMBIT	10313-Interdisciplinari e cliniche
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Objective of the module and the description of some epidemiological, pathogenetic, and clinical-prognostic of cardiovascular diseases . Completing the module description and application of the main instrumental diagnostic methods used in practice cardiology and angiology (ECG, echocardiogram, Echocolor Doppler , dynamic ECG , exercise stress tests) and the knowledge of the mode of some invasive instrumental techniques (coronary angiography) or emergency (defibrillation).

SYLLABUS

Hrs	Frontal teaching
2	anatomy and physiology of the heart and vascular system. elementary principles of . Notions of hemodynamic.
4	Electrocardiography: basic principles and practical applications.
2	Arrhythmias and their classification. Concept of ECG Holter.
4	ischemic heart disease: definition, epidemiology, risk factors, pathogenesis, classification, pathology factors, clinical, principles of diagnosis and therapy.
2	Deep venous thrombosis and pulmonary embolism
2	Atherosclerosis, risk factor
2	Cardiomyopathies and myocarditis
2	Infective endocarditis
2	Pericardial diseases
2	Valves disease
2	Sudden cardiac death and cardiac life support
2	Arterial hypertension
2	chest pain