



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)	HEALTHCARE ASSISTANCE
INTEGRATED COURSE	HEALTHCARE SCIENCE - INTEGRATED COURSE
CODE	17385
MODULES	Yes
NUMBER OF MODULES	3
SCIENTIFIC SECTOR(S)	MED/09, BIO/14, MED/45
HEAD PROFESSOR(S)	
OTHER PROFESSOR(S)	<p>GIAMMANCO ANTONINA Ricercatore a tempo determinato Univ. di PALERMO</p> <p>RUSSO ANTONINO Professore a contratto Univ. di PALERMO</p> <p>BLESI ROSARIA Professore a contratto Univ. di PALERMO</p>
CREDITS	9
PROPAEDEUTICAL SUBJECTS	
MUTUALIZATION	
YEAR	2
TERM (SEMESTER)	1° semester
ATTENDANCE	Mandatory
EVALUATION	Out of 30
TEACHER OFFICE HOURS	<p>BLESI ROSARIA</p> <p>Tuesday 9:00 12:00 Uff. Coordinamento CdL Infermieristica - IV piano - complesso didattico "aule nuove" via Parlavecchio N.3</p> <p>Thursday 9:00 12:00 Uff. Coordinamento CdL Infermieristica - IV piano - complesso didattico "aule nuove" via Parlavecchio N.3</p> <p>GIAMMANCO ANTONINA</p> <p>Tuesday 11:00 12:00</p>

DOCENTE:

PREREQUISITES	asic knowledge of anatomy, physiology and biochemistry
LEARNING OUTCOMES	<p>The expected results will be consistent with the provisions of the Descriptors of Dublin is defined by the Study Program.</p> <p>Students will have to acquire the ability to use specific language of the disciplines of the Integrated Course and must demonstrate knowledge e understanding in the field of Internal Medicine and Pharmacology in light of the most recent evidence.</p> <p>Students will therefore have to demonstrate that they know how to apply in a manner professional knowledge and understanding skills at work theme of diagnosis, clinic, treatment and prevention of the main diseases included in the area of Internal Medicine together with the necessary notions of pharmacodynamics and pharmacokinetics related to drugs in general and to classes of active molecules analyzed in particular.</p> <p>Students will have to acquire the ability to collect and interpret data clinical, instrumental and laboratory useful to orient themselves in the evaluation of the patient of internistic interest and of the efficacy of the prescribed therapy, with particular attention to the concepts of individual and community risk. The acquired knowledge will assist in identifying the educational need of health of the sick individual and the family and in providing an adequate response.</p> <p>To this end, continuity of care and improvement of adherence to therapy prescribed will be achieved through operational methods and tools of a character individual and collective based on the basic principles of health care.</p> <p>Students will have to demonstrate updating skills through the consultation of scientific publications in the field of Internal Medicine and Pharmacology with particular attention to the introduction of new ones classes of drugs and / or new therapeutic applications, also following specific seminars</p>
ASSESSMENT METHODS	<p>Oral exam with evaluation in thirtieths.</p> <p>The exam will have to answer at least six questions asked orally, at least two for each of the three modules, which focus on different parts of the program, with reference to the recommended texts.</p> <p>The final test aims to assess whether the student has knowledge and understanding of the topics, has acquired interpretative competence e autonomy of judgment.</p> <p>The sufficiency threshold will be reached when the student shows knowledge and understanding of the topics at least in general lines and have sufficient application skills for solving simple concrete cases; must also possess exhibition and argumentative skills that allow the transmission of his knowledge to the examiner. Below this threshold, the exam will be insufficient.</p> <p>How much more, instead, examining it with its argumentative and exhibition will be able to interact with the examiner, and as much as his knowledge and application skills will go into detail on the discipline subject to verification, the more the evaluation will be positive, as reported in following scheme.</p> <p>- Rating: 30 - 30 with honors - Rating: Excellent Outcome: Excellent knowledge of the teaching content. The student demonstrates high analytical-synthetic capacity and is able to apply the knowledge to solve highly complex problems.</p> <p>- Rating: 27 - 29 - Rating: Excellent Outcome: Excellent knowledge of the teaching content and excellent property of language. The student demonstrates analytical-synthetic ability and is capable of apply knowledge to solve problems of medium complexity and, in some cases, even high.</p> <p>- Rating: 24 - 26 - Rating: Good Outcome: Good knowledge of the teaching content and good ownership of language. The student is able to apply the knowledge to solve medium complexity problems.</p> <p>Rating: 21 - 23 - Rating: Fair - Outcome: Fair knowledge of the teaching content, in some cases limited to the main topics. Acceptable ability to use language specific to the discipline and to independently apply the knowledge acquired.</p> <p>- Rating: 18-20 - Rating: Sufficient - Outcome: Minimum knowledge of teaching content, often limited to main topics. Modest ability to use the specific language of discipline and independently apply the knowledge acquired.</p> <p>- Rating: 1 - 17 - Rating: Insufficient * - Outcome: Does not have acceptable knowledge of the main contents teaching. Very little or no ability to use language</p>

	specific to the discipline and to independently apply the knowledge acquired. Exam not passed.
TEACHING METHODS	Frontal lessons with Power-point

**MODULE
PHARMACOLOGY**

Prof. ANTONINO RUSSO

SUGGESTED BIBLIOGRAPHY

Whalen K. "Le basi della Farmacologia" Eds. Zanichelli. 2020 ISBN: 9788808320292

AMBIT	10359-Primo soccorso
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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

The module aims primarily to provide students with the ability to use the proper language of the discipline, thus gaining knowledge of the basic pharmacokinetic and pharmacodynamic concepts, needed to understand therapeutic activity, side effects and toxic effects of drugs, with particular attention to the categories that will be analyzed during the lessons. At the end of the course, students will have to demonstrate that they are able to apply the acquired knowledge in order to participate and actively collaborate in the implementation of health prevention, promotion and education programs aimed at the individual and society.

Another objective of the module is to improve the ability of students to relate to the physician and to clearly communicate to the patient and their family the purpose of the ongoing pharmacological therapy and its proper application. Students will also need to be able to make judgments based on the autonomous interpretation of data derived from observations, researches and pharmacological studies with particular attention to the reflection on the social and ethical implications of their profession.

To complete their training, students will have to demonstrate that they have acquired the ability to complete and continue their professional development through the autonomous consultation of scientific publications, the participation in advanced courses or seminars on topics related to Pharmacology.

SYLLABUS

Hrs	Frontal teaching
3	Introduction to Pharmacology. Pharmacodynamics: Mechanisms of drug action, receptors and their classification, drug-receptor interaction, effector systems. Definitions of agonist, partial agonist, inverse agonist, competitive and non-competitive antagonist. Dose-response relationship.
4	Pharmacokinetics: Routes of drug administration and drug absorption. Drug distribution and influencing factors. Drug metabolism, phase I and II reactions, Enzyme induction and inhibition. Drug elimination
2	Variability in human drug response. Drug interactions
4	Pain management: Nonsteroidal and steroidal anti-inflammatory drugs, analgesic opioids
6	Cardiovascular drugs: antihypertensive agents
3	Hypoglycemic and antidyslipidemic agents
3	CNS-active drugs: benzodiazepines and barbiturates, antidepressants, antipsychotics
2	Drugs used in the treatment of asthma and chronic obstructive pulmonary disease
3	Antimicrobials

**MODULE
INTERNAL MEDICINE**

Prof.ssa ANTONINA GIAMMANCO

SUGGESTED BIBLIOGRAPHY

Massini et al., Medicina Interna (VI ed.), 2019, McGraw-Hill Education (ISBN 978-8838694660)
Claudio Rugarli; Medicina Interna sistematica, Editrice Masson
Ricerche bibliografiche consigliate dal Docente

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

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowledge and understanding: The aim of the module is the student's knowledge of taxonomy, epidemiology, etiopathogenesis, natural history, differential diagnosis, clinical phenomenology and therapeutic management of the most frequent acute and chronic pathologies of Internal Medicine.
The Student must acquire the clinical diagnostic and prognostic significance of some laboratory and instrumental investigations of specific performance in the management of some clinical internistic entities (EGA, Spirometry, diagnostic and therapeutic paracentesis, thoracentesis, coagulation tests, radiological diagnostics, etc.).
Ability to apply knowledge and understanding: the Student, at the end of the course, thanks to the above acquisitions, will have to be able to correctly apply the information for a correct differential diagnosis between diseases with common signs and symptoms, to indicate to reach diagnosis a conscious choice of the various diagnostic methods and to apply the right therapeutic choices for a correct management of the patient.
Ability to apply knowledge and understanding: the Student, at the end of the course, thanks to the above acquisitions, must be able to properly apply the information for a diagnosis of the major properly complications in Internal Medicine and their management. The verification will be carried out with a final oral exam.

SYLLABUS

Hrs	Frontal teaching
4	Respiratory apparatus -dyspnoea and cyanosis: pathophysiology and clinical - acute and chronic, partial and global respiratory failure -pneumonia, bronchial asthma, chronic bronchitis and its sequelae;
4	Cardiovascular apparatus pathophysiology of the heart; primary and secondary arterial hypertension; heart failure; pulmonary embolism
4	Endocrine-metabolic apparatus -diabetes mellitus and its complications, thyroid diseases, surrenal diseases -obesity and its complications, the metabolic syndrome
4	Nephrology -Glomerulo-nephritis, Acute and chronic renal failure, Urinary tract infections
2	Electrolyte disorders. disorders of Acid-Base Balance
4	Hematology - Anemias, leukemias and lymphomas
2	Autoimmune pathology Autoimmune concepts; LES, rheumatoid arthritis
4	Fever of unknown origin (FUO). Low-grade fever. Infectious diseases: Brucellosis, Salmonellosis, Rickettsiosis, Mononucleosis, leishmaniasis,
2	Various - Drug induced reactions, excessive and incorrect use of drugs.

**MODULE
NURSING TECHNIQUES**

Prof.ssa ROSARIA BLESÌ

SUGGESTED BIBLIOGRAPHY

Craven R.F. Hirnle C.J. Principi fondamentali dell'assistenza infermieristica, Casa Editrice Ambrosiana, Milano 1998
 Carpenito L. Piani di assistenza Infermieristica e Documentazione, Casa Editrice Ambrosiana, Milano 2000 capitolo 2, appendice I; ISBN 9788808380012
 Sintesi curata dal docente: Articoli e riferimenti normativi indicati dal docente.

AMBIT	10361-Scienze dell' assistenza sanitaria
INDIVIDUAL STUDY (Hrs)	45
COURSE ACTIVITY (Hrs)	30

EDUCATIONAL OBJECTIVES OF THE MODULE

Knowledge of the basic principles of nursing for the purposes of health care of the individual and of the patient in the context of the main pathologies affecting the community. Knowledge of the main techniques of nursing relevance to allow the acquisition of the concepts of individual and community risk; knowledge and skills concerning methods and operational tools of an individual and collective nature to carry out prevention interventions, of health promotion and education.

SYLLABUS

Hrs	Frontal teaching
3	Professional skills and ownership of technical actions in the health professions through legislation.
3	Health documentation, legal value and essential requirements for correct compilation.
3	Problem solving in care practice.
3	Main vital signs, BP, HR, FR, CT, SpO2, reference values, techniques and instruments for measuring vital signs: sphygmomanometer, stethoscope and oximeter.
3	Examples of cards and scales as a work tool for health care.
3	Apply and guarantee the correct therapeutic procedures, professional responsibilities.
3	The administration of the therapy required skills, administration techniques.
2	Therapeutic compliance
2	Health and therapeutic education
3	Electrocardiogram: what it is for and technique of execution. Spirometry: what it is for and technique of execution.
2	Ensure the safety of elderly or disabled people in health facilities and at home through risk assessment forms.