



# UNIVERSITÀ DEGLI STUDI DI PALERMO

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                  |
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| 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       | MEDICAL SCIENCE - INTEGRATED COURSE                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                  |
| CODE                    | 20317                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                  |
| MODULES                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                               |                      |                  |
| NUMBER OF MODULES       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                  |
| SCIENTIFIC SECTOR(S)    | MED/09, MED/17, MED/12                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                  |
| HEAD PROFESSOR(S)       | LICATA ANNA                                                                                                                                                                                                                                                                                                                                                                                                                                       | Professore Associato | Univ. di PALERMO |
| OTHER PROFESSOR(S)      | LICATA ANNA                                                                                                                                                                                                                                                                                                                                                                                                                                       | Professore Associato | Univ. di PALERMO |
|                         | CALVARUSO VINCENZA                                                                                                                                                                                                                                                                                                                                                                                                                                | Professore Associato | Univ. di PALERMO |
|                         | CASCIO ANTONIO                                                                                                                                                                                                                                                                                                                                                                                                                                    | Professore Ordinario | Univ. di PALERMO |
| CREDITS                 | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                  |
| PROPAEDEUTICAL SUBJECTS | 20330 - PHYSIOLOGY                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                  |
| MUTUALIZATION           |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                  |
| YEAR                    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                  |
| TERM (SEMESTER)         | 1° semester                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                  |
| ATTENDANCE              | Mandatory                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                  |
| EVALUATION              | Out of 30                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                  |
| TEACHER OFFICE HOURS    | <p><b>CALVARUSO VINCENZA</b><br/> Monday 14:00 16:00 Sezione di Gastroenterologia, Clinica Medica I, Piazza delle Cliniche n.2.</p> <p><b>CASCIO ANTONIO</b><br/> Tuesday 13:00 14:00 Studio presso UOC di Malattie Infettive - AOU Policlinico "P. Giaccone"<br/> Thursday 13:00 14:00 Studio presso UOC di Malattie Infettive - AOU Policlinico "P. Giaccone"</p> <p><b>LICATA ANNA</b><br/> Thursday 12:00 14:00 Clinica Medica I, Dibimis</p> |                      |                  |

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| <b>PREREQUISITES</b>      | Acquire knowledge regarding the main systemic diseases in the field of internal medicine, gastroenterology and infectious disease occurring. Capture elements of therapy within specific systemic diseases. Teaching the approach to patients with comorbidity and polypathology, including the elder patient.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>LEARNING OUTCOMES</b>  | <p>Knowledge and Understanding Capacity<br/>At the end of the course the students will be able to:</p> <ul style="list-style-type: none"><li>-knowing the theoretical principles underlying the clinical method and evidence-based medicine</li><li>- to correctly execute a complete clinical history, which also includes the social context in which the patient lives</li><li>- to be able to relate with the patient in the most varied environmental conditions, both in election and in urgency</li><li>- to perform a correct and complete objective examination of the patient, which includes both the general and systemic aspects and the individual organs and apparatus</li><li>-be able to approach patients suffering from the following signs and syndromes: chest pain, dyspnoea, acute abdominal pain, digestive haemorrhage, jaundice, changes in diuresis</li><li>- to detect and critically interpret the main symptoms and signs and identify the most correct and appropriate clinical and instrumental diagnostic pathway</li></ul> <p>Ability to Apply Knowledge and Understanding<br/>Students will be able to integrate the acquired knowledge with a critical attitude oriented to the resolution of identification, diagnostic and therapeutic questions, through the choice of the most suitable clinical and laboratory methodologies.</p> <p>Autonomy of judgment<br/>Students will be able to rationally and autonomously evaluate the knowledge provided by the course and will be able to set up a clinical reasoning based on the evidence and information derived from the physical examination of the patient.</p> <p>Communication skills<br/>Acquisition of communication skills gained through the oral examination and the habit of presenting in public the clinical experiences acquired during the internship. The students will know how to apply and clearly transmit the</p> <p>Learning skills<br/>Continuous updating capacity through the knowledge of the methods of consulting the sources of information (scientific publications, databases and IT resources) related to clinical medicine applied to the issues of research and diagnosis of the medical sector.</p> |
| <b>ASSESSMENT METHODS</b> | <p>Evaluation of the knowledge of curricular contents by means of an oral exam or writing test to verify the possession of the skills and disciplinary knowledge reached. The oral exam consists of a colloquy generally lasting 20-30 minutes aimed at ascertaining the disciplinary knowledge of the program. The evaluation is expressed in thirtieths.</p> <p>The following is the evaluation scheme:</p> <ul style="list-style-type: none"><li>a) 30-30 cum laude Excellent knowledge of teaching content; the student demonstrates high analytical-synthetic capacity and is able to apply the knowledge to solve problems of high complexity;</li><li>b) 27-29 Excellent knowledge of teaching contents and excellent language properties; the student demonstrates analytical-synthetic skills and is able to apply the knowledge to solve problems of average complexity and, in some cases, even high;</li><li>c) 24-26 Good knowledge of teaching contents and good language skills; the student is able to apply the knowledge to solve problems of average complexity;</li><li>d) 21-23 Fair knowledge of the contents of the teaching, in some cases limited to the main topics; acceptable ability to use the specific language of the discipline and to independently apply the acquired knowledge;</li><li>e) 18-20 Minimum knowledge of the contents of the course, often limited to the main topics; modest ability to use the specific language of the discipline and to autonomously apply the acquired knowledge Insufficient;</li><li>f) Does not possess an acceptable knowledge of the main contents of the teaching; very little or no ability to use the specific language of the discipline and to independently apply the acquired knowledge.</li></ul> <p>The final grade results from the arithmetic average of the marks obtained in the two modules of the integrated course</p>                                                                                                                                                                                                                                                                                                             |
| <b>TEACHING METHODS</b>   | Frontal lessons; training in the ward                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## MODULE INFECTIOUS DISEASES

*Prof. ANTONIO CASCIO*

### SUGGESTED BIBLIOGRAPHY

Malattie infettive di: Roberto Esposito, Mauro Moroni, Spinello Antinori Editore: Edra Masson Edizione: 8

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>AMBIT</b>                  | 10311-Scienze medico - chirurgiche |
| <b>INDIVIDUAL STUDY (Hrs)</b> | 45                                 |
| <b>COURSE ACTIVITY (Hrs)</b>  | 30                                 |

### EDUCATIONAL OBJECTIVES OF THE MODULE

To acquire knowledge on the clinical and diagnostic features of infectious diseases in the immunocompetent and immunocompromised patient

## SYLLABUS

| Hrs | Frontal teaching                                                                                                                                                                                                                              |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2   | General information on infectious diseases epidemiology, clinical and laboratory diagnosis                                                                                                                                                    |
| 3   | sepsis and septic shock, endocarditis. Fever of unknown origin (FUO)                                                                                                                                                                          |
| 2   | Airway infections: Epidemiology of respiratory tract infections (community and nosocomial infections), etiology of upper and lower respiratory tract infections, Viral and Bacterial Pneumonia, bacterial exacerbations of chronic bronchitis |
| 2   | Gastrointestinal infections                                                                                                                                                                                                                   |
| 2   | The genitourinary tract infections: Infections of the upper and lower urinary tract; syndromic approach and epidemiological the major sexually transmitted infections                                                                         |
| 3   | AIDS, infectious mononucleosis                                                                                                                                                                                                                |
| 2   | Infections of the central nervous system: meningitis, encephalitis, brain abscess; meningococcal disease                                                                                                                                      |
| 4   | Brucellosis, leptospirosis, typhoid fever, tick borne diseases                                                                                                                                                                                |
| 2   | The osteo-articular infections: Osteomyelitis, septic arthritis                                                                                                                                                                               |
| 2   | malaria, tuberculosis                                                                                                                                                                                                                         |
| 4   | Acute and chronic viral hepatitis; Parasitic diseases; Nosocomial infections                                                                                                                                                                  |
| 2   | Principles of anti-infective therapy; Isolation measures for infected patients. Exanthematous diseases                                                                                                                                        |

## MODULE INTERNAL MEDICINE

*Prof.ssa ANNA LICATA*

### SUGGESTED BIBLIOGRAPHY

Harrison's Principles of Internal Medicine, Twentieth Edition (Vol.1 & Vol.2) McGraw-Hill, 2018; ISBN: 9781259644030

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|-------------------------------|------------------------------------|
| <b>AMBIT</b>                  | 10311-Scienze medico - chirurgiche |
| <b>INDIVIDUAL STUDY (Hrs)</b> | 45                                 |
| <b>COURSE ACTIVITY (Hrs)</b>  | 30                                 |

### EDUCATIONAL OBJECTIVES OF THE MODULE

Acquire knowledge regarding the main systemic diseases in internal medicine which sometimes could be diagnosed through the help of nurses. Capture elements of therapy within specific systemic diseases. Teaching the approach to patients with comorbidity and polypathology, including the elder patient.

## SYLLABUS

| Hrs | Frontal teaching                                                                              |
|-----|-----------------------------------------------------------------------------------------------|
| 2   | The Internal medicine and The Clinical Method                                                 |
| 2   | Arterial hypertension : epidemiology , pathophysiology , clinical complications and treatment |
| 2   | Clinical approach to the patient with Anterior Chest Pain : angina pectoris                   |
| 2   | The myocardial infarction; the acute pulmonary edema                                          |
| 2   | Congestive Heart Failure                                                                      |
| 2   | Pulmonary Embolism; Faintness, Syncope                                                        |
| 2   | Infections : Bacterial endocarditis, pericarditis, miocarditis                                |
| 2   | Hospital acquired (H) and community-acquired pneumonia (H-CAP)                                |
| 2   | Sepsis and the septic shock                                                                   |
| 2   | Fever of unknown origin : FUO                                                                 |
| 2   | Connective tissue diseases and vasculitis                                                     |
| 2   | Raynaud disease; Progressive systemic sclerosis; Systemic lupus erythematosus                 |
| 2   | Acute and chronic renal failure : glomerulo-nephritis and glomerulo-nephrosis                 |
| 2   | Diabetes mellitus: classification, physiopathology and complications of diabetes              |
| 2   | Clinical approach to patient with drug and herb-induced liver injury                          |

## MODULE GASTROENTEROLOGY

*Prof.ssa VINCENZA CALVARUSO*

### SUGGESTED BIBLIOGRAPHY

Harrison's Principles of Internal Medicine, 20e Mac Graw Hill

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|-------------------------------|-----------------------------------------------|
| <b>AMBIT</b>                  | 10727-Attività formative affini o integrative |
| <b>INDIVIDUAL STUDY (Hrs)</b> | 45                                            |
| <b>COURSE ACTIVITY (Hrs)</b>  | 30                                            |

### EDUCATIONAL OBJECTIVES OF THE MODULE

To acquire knowledge of gastrointestinal and hepatic diseases in order to rely on the study of elements of care in the gastroenterological field. Understand the approach to gastroenterological and liver problems, including those of the elderly patient

## SYLLABUS

| Hrs | Frontal teaching                                                             |
|-----|------------------------------------------------------------------------------|
| 2   | Esophageal disease; Reflux and achalasia                                     |
| 2   | Peptic ulcer disease and Helicobacter Pylori                                 |
| 3   | Celiac disease and malabsorption                                             |
| 3   | Inflammatory bowel diseases; Crohn's disease; Ulcerative colitis             |
| 3   | Neoplasms of the esophagus, stomach and colon                                |
| 3   | Acute and chronic viral hepatitis                                            |
| 2   | Steatosis, steatohepatitis , alcohol related disease                         |
| 4   | Liver cirrhosis and hepatocellular carcinoma                                 |
| 2   | Inherited liver disorders: haemochromatosis and Wilson disease               |
| 3   | Clinical approach to jaundice, cholestasis and biliary obstructive disorders |
| 3   | Acute and chronic pancreatitis                                               |