



# 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           | 2023/2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                  |
| BACHELOR'S DEGREE (BSC) | DIETISTICS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |                  |
| INTEGRATED COURSE       | MEDICAL AND SURGICAL SCIENCES - INTEGRATED COURSE                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                  |
| CODE                    | 08544                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                      |                  |
| MODULES                 | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      |                  |
| NUMBER OF MODULES       | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                  |
| SCIENTIFIC SECTOR(S)    | MED/09, MED/18, MED/49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      |                  |
| HEAD PROFESSOR(S)       | PANTUSO GIANNI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Professore Ordinario | Univ. di PALERMO |
| OTHER PROFESSOR(S)      | PANTUSO GIANNI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Professore Ordinario | Univ. di PALERMO |
|                         | TUTTOLOMONDO ANTONINO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Professore Ordinario | Univ. di PALERMO |
|                         | BUSCEMI SILVIO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Professore Ordinario | Univ. di PALERMO |
| CREDITS                 | 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                  |
| PROPAEDEUTICAL SUBJECTS | 05209 - MICROBIOLOGY AND GENERAL PATHOLOGY - INTEGRATED COURSE                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      |                  |
| MUTUALIZATION           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                      |                  |
| YEAR                    | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                      |                  |
| TERM (SEMESTER)         | 1° semester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                      |                  |
| ATTENDANCE              | Mandatory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                  |
| EVALUATION              | Out of 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                      |                  |
| TEACHER OFFICE HOURS    | <p><b>BUSCEMI SILVIO</b><br/> Tuesday 08:00 09:30 UOC di Endocrinologia, Malattie del Ricambio e della Nutrizione (piazza delle cliniche 2 - primo piano) - PREVIA RICHIESTA a silvio.buscemi@unipa.it</p> <p><b>PANTUSO GIANNI</b><br/> Monday 13:00 13:45 studio del Dipartimento di Oncologia</p> <p><b>TUTTOLOMONDO ANTONINO</b><br/> Friday 11:00 12:00 ex istituto di Clinica Medica, Piazza delle Cliniche n. 2, secondo piano( per informazioni rivolgersi al punto giallo in portineria)</p> |                      |                  |

**DOCENTE:** Prof. GIANNI PANTUSO

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| PREREQUISITES      | Notions of general surgery, anatomy, physiology and pathophysiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| LEARNING OUTCOMES  | At the end of the course the student will: -know the theoretical principles of the clinical method and of evidence-based medicine - know properly how to perform a complete medical history, which also includes the social context in which the patient lives - know how to deal with the patient in the most varied environmental conditions, both elective and urgent - know how to perform a correct and complete physical examination of the patient, including both the general and systemic aspects and organs and systems -be able to approach patients who have the following signs and syndromes: digestive haemorrhage , acute abdominal pain, chest pain, jaundice, dyspnea, abnormal urination, urination and hive - know how to detect and interpret critically the main symptoms and signs, and identify the most correct and appropriate clinical diagnostic and instrumental path |
| ASSESSMENT METHODS | <a href="http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella-Valutazione-Inglese.pdf">http://www.unipa.it/scuole/dimedicinaechirurgia/.content/documenti/Tabella-Valutazione-Inglese.pdf</a><br><br>Oral exam                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TEACHING METHODS   | Frontal lessons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**MODULE  
INTERNAL MEDICINE**

*Prof. ANTONINO TUTTOLOMONDO*

**SUGGESTED BIBLIOGRAPHY**

Claudio Rugarli, Medicina Interna Sistemica

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|--------------|--------------------------------|
| <b>AMBIT</b> | 10347-Scienze della dietistica |
|--------------|--------------------------------|

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|-------------------------------|----|
| <b>INDIVIDUAL STUDY (Hrs)</b> | 45 |
|-------------------------------|----|

|                              |    |
|------------------------------|----|
| <b>COURSE ACTIVITY (Hrs)</b> | 30 |
|------------------------------|----|

**EDUCATIONAL OBJECTIVES OF THE MODULE**

Pathophysiology, clinic and therapy of the main diseases of international interest, with particular attention to the pathologies of the cardiovascular and gastrointestinal organs that can have greater relationships both from the epidemiological and pathogenic point of view with the lifestyle and with the diet

**SYLLABUS**

| Hrs | Frontal teaching                                          |
|-----|-----------------------------------------------------------|
| 2   | atherosclerosis, epidemiology and pathogenesis            |
| 2   | Coronary Artery Disease ( CAD) : epidemiology and clinics |
| 2   | Coronary Artery Disease: prevention and therapy           |
| 2   | Heart failure: epidemiology and clinics                   |
| 2   | Heart failure: therapy                                    |
| 2   | Hypertension: epidemiology and pathophysiology            |
| 2   | Diabetes : epidemiology and classification                |
| 2   | Diabetes: end-organ-damages and therapy                   |
| 2   | Dyslipidaemias: classification and pathogenesis           |
| 2   | Hyperuricaemias: pathogenesis and clinics                 |
| 2   | ischemic stroke: epidemiology and classification          |
| 2   | ischemic stroke : clinics                                 |
| 2   | cirrhosis: clinics                                        |
| 2   | Inflammatory bowel diseases (IBD)                         |
| 2   | Chronic renal failure                                     |

**MODULE  
GENERAL SURGERY**

*Prof. GIANNI PANTUSO*

**SUGGESTED BIBLIOGRAPHY**

"Bariatric Surgery - Multidisciplinary Approach and Surgical Techniques". Umberto Parini - Pier Eugenio Nebiolo. Musumeci Editore  
" La Gastrostomia Endoscopica Percutanea" - S.I.E.D.

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|-------------------------------|----------------------|
| <b>AMBIT</b>                  | 10339-Primo soccorso |
| <b>INDIVIDUAL STUDY (Hrs)</b> | 45                   |
| <b>COURSE ACTIVITY (Hrs)</b>  | 30                   |

**EDUCATIONAL OBJECTIVES OF THE MODULE**

To be able to analyze and solve dietary-nutritional problems by addressing the diagnostic-therapeutic route in the light of evidence-based medicine principles

**SYLLABUS**

| <b>Hrs</b> | <b>Frontal teaching</b>                                                                                                                                                                |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4          | Principles of Obesity Epidemiology and Screening. Natural History of Obesity. Endocrine-Metabolic Aspects. Obesity and Respiratory Disorders.                                          |
| 4          | Psychological Aspects. Psychiatric Aspects. Anesthesiological Problems and Obesity. Coagulative and Venous Thrombosis. Legal Medical Aspects.                                          |
| 4          | Childhood Obesity: Surgical Indications. Gastrointestinal Surgery in Type 2 Diabetes Therapy. Metabolic Interventions.                                                                 |
| 4          | Surgical and Endoscopic Techniques: The Role of Mininvasive Surgery - Laparoscopic.                                                                                                    |
| 2          | The Intra-gastric Balloon. The Gastric Banding. The Sleeve Gastrectomy . Vertical Gastroplasty. Bariatric Metabolic Surgery: By-Pass Gastric.                                          |
| 4          | Scopinaro Biliopancreatic Diversion. Biliopancreatic Diversion - Duodenal Switch. Bariatric Complications. Bariatric Nutritional Deficiency.                                           |
| 4          | Radiological Diagnosis. Characteristics of a Bariatric Center. Bariatric Multimodal Approach. Physiotherapeutic Approach after Bariatric Intervention. Post-Bariatric Plastic Surgery. |
| 4          | Metabolic-Nutritional Evaluations. Non Oral Enteral Nutrition: Gastrostomy Surgery and P.E.G.                                                                                          |

**MODULE**  
**TECHNICAL DIETETIC SCIENCEFOR CLINICAL NUTRITION**

*Prof. SILVIO BUSCEMI*

**SUGGESTED BIBLIOGRAPHY**

Riccardi, Pacioni, Giacco, Rivellese. Manuale di nutrizione applicata (V edizione). Idelson Gnocchi. - ISBN: 9788879477352  
M. Elia, et al. Nutrizione Clinica. Casa Editrice Ambrosiana - ISBN: 9788808680044  
Gibney MJ, Elia M, et al. Clinical Nutrition. Blackwell publishing - ISBN: 9780632056262

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|-------------------------------|--------------------------------|
| <b>AMBIT</b>                  | 10347-Scienze della dietistica |
| <b>INDIVIDUAL STUDY (Hrs)</b> | 45                             |
| <b>COURSE ACTIVITY (Hrs)</b>  | 30                             |

**EDUCATIONAL OBJECTIVES OF THE MODULE**

The aim of the course is to provide the dietician with the notions to deal with the knowledge of clinical nutrition including artificial nutrition in the context of multi-specialist teams and medical and surgical conditions with which he will have to deal with / integrate / interact

**SYLLABUS**

| <b>Hrs</b> | <b>Frontal teaching</b>                       |
|------------|-----------------------------------------------|
| 1          | The clinical nutrition team                   |
| 2          | hospital malnutrition                         |
| 2          | Foods for special medical purposes            |
| 2          | Artificial nutrition                          |
| 7          | Enteral nutrition                             |
| 6          | The parenteral nutrition                      |
| 1          | the refeeding syndrome                        |
| 1          | the dumping syndrome                          |
| 1          | the short bowel syndrome                      |
| 2          | ethics and nutrition                          |
| 1          | the immune nutrition                          |
| 2          | water and electrolytes in clinical conditions |
| 2          | hospital and territory                        |