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## Degree in Medicine And Surgery

Integrated teaching: **Internal Medicine and Geriatrics**

SSD: **MEDS-05/A, MEDS-19/B**

Professor responsible: Prof. **Ojetti Veronica** e-mail: [veronica.ojetti@unicamillus.org](mailto:veronica.ojetti@unicamillus.org)

Total CFU: **4**

Module: **Geriatrics**

SDS: **MEDS-05/A**

Professor [Veronese Nicola](#) (1 CFU) e-mail: [nicola.veronese@unicamillus.org](mailto:nicola.veronese@unicamillus.org)

Professor [Ojetti Veronica](#) (2 CFU) e-mail: [veronica.ojetti@unicamillus.org](mailto:veronica.ojetti@unicamillus.org)

CFU: **3**

Module: **Physical and Rehabilitation Medicine**

SDS: **MEDS-19/B**

Professor [Scivoletto Giorgio](#) (1 CFU) e-mail: [giorgio.scivoletto@unicamillus.org](mailto:giorgio.scivoletto@unicamillus.org)

CFU: **1**

## PREREQUISITES

Prior knowledge and skills in the following subjects are required for the integrated course in Internal Medicine and Geriatrics: human anatomy, histology and embryology, physiology and pathophysiology, general pathology, biology, biochemistry and molecular biology.

## LEARNING OBJECTIVES

The 'teaching of Internal Medicine and Geriatrics aims to provide the student with diagnostic and therapeutic competence in the field of internist, and geriatric fundamental diseases in order to complete the professional profile as a future physician. In particular, it is proposed to deepen notions related to multimorbidity to poly pharmacotherapy in the elderly patient as well as the main cardiac, metabolic and gastroenterological pathologies that are most frequently encountered in clinical practice.

The ability to perform a proper clinical history framing with clinical and objectivity assessment, the ability to set up a diagnostic procedure with hints of therapy will be required.

## LEARNING OUTCOMES

### Knowledge and understanding

- Understand the main pathophysiological and therapeutic mechanisms of diseases in older people.;
- Diagnostic Algorithm;
- Demonstrate knowledge of the therapeutic principles involved in the management of the major diseases treated.



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Rehabilitation:

Understand the concept of rehabilitation as global care of the patient

Know the main types of rehabilitation and their peculiarities

**Applying knowledge and understanding:**

- Know how to deal with differential diagnosis in the elderly patient with multi pathology and multifactorial disease.

Rehabilitation:

Being able to identify the best rehabilitation path for the patient based to pathology

**Communication skills:**

By the end of the course the student will be able to:

- Express arguments orally in an organized and coherent way;
- Use scientific terminology appropriate and coherent to the topic under discussion;
- Use clinical terminology when presenting, communicating and documenting cases.

**Making judgements**

At the end of the course, the student must:

- Identify one's own methodological approach based on the knowledge acquired during the course.
- Independently rework acquired knowledge.
- Recognise the importance of a thorough knowledge of the subjects in accordance with an adequate medical education.
- Demonstrate possession of the necessary methodology for the diagnosis and therapy of the elderly patient with multi pathology.

**Learning skills**

By the end of the course, students will have acquired learning skills and methods that are appropriate for the in-depth development and improvement of their knowledge in the fields of geriatrics, oncology, genetics and nursing science, also through the use of scientific literature.

**COURSE SYLLABUS**

**Geriatrics:**

- Multidimensional evaluation



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- Sarcopenia and frailty
- Falls
- Hypokinetic syndrome and pressure sores
- Notes on gerontology

#### **Internal Medicine:**

- Dysmetabolic disorders (diabetes mellitus, metabolic syndrome, and obesity);
- Chest pain (approach and differential diagnosis);
- Abdominal pain (approach and differential diagnosis);
- Heart failure and acute pulmonary edema;
- Dyspnea;
- Deep vein thrombosis (DVT) and pulmonary embolism: Atherosclerosis;
- Arterial hypertension and hypertensive crisis;
- Gastro-enteric disorders (gastrointestinal bleeding, liver cirrhosis and ascites, gastroenteritis and Clostridium difficile infection).

#### **Physical and Rehabilitation Medicine:**

- The Concept of Rehabilitation;
- Rehabilitation as Holistic Treatment of the Patient.
- Assessing in Rehabilitation
- Neurological Rehabilitation
- Orthopedic Rehabilitation
- Cardio-Respiratory Rehabilitation

#### **COURSE STRUCTURE:**

The course consists of lectures, 30 hours of Internal Medicine, and 10 hours of Rehabilitation.

Professors will use teaching tools such as presentations organized in PowerPoint files with explanatory diagrams, illustrations and images to describe the contents of the modules. Videos and animations will be used to supplement the topics described. Attendance is mandatory.

#### **COURSE GRADE DETERMINATION**

The assessment of learning is based on a written exam followed by a facultative oral exam.

There will be 62 questions in 90 minutes divided in:

16 questions for geriatrics

16 questions for rehabilitation

30 questions for internal medicine

Total questions 62

0.5 point for each question for a total of 31 (30 cum laude)



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## **INTERNSHIP OBJECTIVES**

- Identify and implement the necessary methodology for the diagnosis and management of the elderly patient with multi-pathology. Use appropriate language according to the type of patient;
- To know how to deal with differential diagnosis in the elderly patient with multi pathology and multifactorial disease.

## **OPTIONAL ACTIVITIES**

Students will have the opportunity to conduct theoretical/practical exercises and to attend seminars. Professors will provide constant support during and after the lessons.

## **READING MATERIALS**

Internal Medicine:

HARRISON 's Principles of Internal Medicine 21th edition ( 1 st and 2nd volume)

Geriatrics:

Hazzard's Geriatric Medicine and Gerontology, Eighth Edition