COURSE DETAILS

"MEDICAL, SURGICAL, CLINICAL METHODOLOGY I"

SSD MED/09; MED/18; NED/42/M-PSI-08

DEGREE PROGRAMME: MEDICINE AND SURGERY
ACADEMIC YEAR 2025-2026

GENERAL INFORMATION−TEACHER REFERENCES

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Faculty	Position	Scientific Fields	Phone	Reception (day/time/building)	E-mail
Cittadini Antonio	Full Professor	Internal Medicine	4375	Monday/12:00-13:00/Bldg 18	antonio.cittadini@unina.it
Marra Alberto M.	Assiciate Professor	Internal Medicine	2026	Tuesday 14:00-15:00/Bldg 18	albertomaria.marra@unina.it
Salzano Andrea	Assistant Professor	Internal Medicine	3492		Andrea.salzano@unina.it
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Vitelli Roberto	Associate Professor	Clinical Psycology	3458	Students can send an email to request a consultation	rvitelli@unina.it
Raffaele Palladino	Associate Professor	Hygiene	3354	Students can send an email to request a consultation	raffaele.palladino@unina.it

GENERAL INFORMATION ABOUT THECOURSE

INTEGRATED COURSE (IF APPLICABLE):MEDICAL, SURGICAL, CLINICAL METHODOLOGY

IMODULE (IF APPLICABLE):

SSD OF THE MODULE (IF APPLICABLE):

TEACHINGLANGUAGE: ENGLISH

CHANNEL (IF APPLICABLE):

YEAR OF THE DEGREE PROGRAMME(I, II, III): III

SEMESTER (I, II, ANNUAL): I

CFU:10

REQUIRED PRELIMINARY COURSES
There are no required preliminary courses

PREREQUISITES (IF APPLICABLE)
Basic concepts of Human Anatomy, Human Physiology I

LEARNING GOALS
The course aims at providing students a comprehensive understanding of medical care, surgical interventions, and the systematic approach to clinical practice. The course is designed to bridge the gap between theoretical knowledge and practical skills, preparing students for their clinical rotations and eventual careers as medical professionals.

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)
Knowledge and understanding
The student will acquire the fundamental knowledge of
Clinical Reasoning: Develop the ability to gather patient information, identify relevant clinical data, and apply critical thinking to formulate accurate diagnoses and treatment plans.
Pathophysiology: Understand the underlying mechanisms of diseases and their impact on various body systems, helping to guide clinical decision-making.
Diagnostic Skills: Learn to interpret medical history, physical examination findings, and diagnostic tests to arrive at precise diagnoses.
Patient Management: Acquire skills in managing common medical conditions, including prescribing appropriate medications, monitoring progress, and addressing patient concerns.
Ethical Considerations: Understand ethical and legal aspects of patient care, respecting patient autonomy and confidentiality.
Effective Communication: Develop communication skills for discussing diagnoses, treatment options, and prognosis with patients and their families.

Applying knowledge and understanding
the course aims to produce well-rounded medical students who can seamlessly transition from classroom learning to practical application in clinical settings. This approach ensures that students are equipped with the knowledge, skills, and ethical foundations necessary for providing quality medical care and contributing meaningfully to the healthcare field.

COURSE CONTENT/SYLLABUS
The course deals with the general understanding of medical care, surgical interventions, and the systematic approach to

clinical practice. The following topic will be addressed:
1. Family and personal anamnesis
2. Detection and interpretation of cardiovascular symptoms
3. Detection and interpretation of abdominal symptoms
4. Pathophysiology of:

dyspnea, chest pain, tachycardia, bradycardia, heart and vascular murmurs, nausea, vomiting, pyrosis, hematemesis, melena, jaundice, constipation, diarrhea, rectal bleeding, abdominal pain, polyuria, dysuria, vescical tenesmus, hematuria, oliguria

5. Examination of cardiovascular system
6. Examination of abdomen
7. Evaluation of wounds and skin lesions
8. Diagnostic evaluation of hernia
9. Diagnostic evaluation of breast
10. Diagnostic evaluation of thyroid nodules
11. Role of clinical epidemiology in clinical practice: rates, proportions, indices.   Sensibility, specificity, positive and negative predictive values of clinical symptoms/signs and diagnostic tests
12. Descriptive studies, cross-sectional studies, prospective cohort studies, case control studies, time trend analysis, experimental studies
13. Principles of medical psycology
14. Relational skills in medical care.

SCHEDULE OF THE COURSE

Week	Day	Lesson	Professor
1° Oct. 6-10 2025	Mon.	Introduction to physical examination	Cittadini
	Tue.	General principles of history taking	Cittadini
	Wed.	"Facies": how to "face" a disease	Salzano
	Thu.	Abdominal physical examination	Aprea
	Fri.	Mechanisms of nausea, vomiting and hiccups.	Aprea
2° Oct. 13-17 2025	Mon.	Cardiovascular physical examination	Cittadini
	Tue.	Blood pressure measurement. Management of Hypertension and Hypotension	Salzano
	Wed.	Chest Pain: an overview	Marra
	Thu.	Dispnea: an overview	Marra
	Fri.	Cyanosis: an overview	Tocchetti
3° Oct. 20-24 2025	Mon.	Basic principles of ECG	Tocchetti
	Tue.	What is an Arrythmia?	Tocchetti
	Wed.	Principles of echocardiography.	Parisi
	Thu.	Understanding Shock	Parisi
	Fri.	Clinical examination of the peripheral vascular system	Giallauria
4° Oct 27-31 2025	Mon.	Invasive and non-invasive evaluation of veins and arteries	Giallauria
	Tue.	Pathophysiology of vascular disease (Part 1)	Giallauria
	Wed.	Pathophysiology of vascular disease (Part 2)	Giallauria
	Thu.	Edema	Femminella
	Fri.	Physical Examination of the Respiratory System	Marra
5° 3-7 Nov 2025	Mon.	Imaging of the Lungs	Marra
	Tue.	Lung Function tests	Marra
	Wed.	Evaluation of Cough	Cittadini
	Thu.	Basic Principles of Nervous System Physical Examination	Femminella
	Fri.	Non-invasive diagnostics of the Nervous System	Femminella
6° Nov. 10-14 2025	Mon.	What Skin can tell us about diseases	Femminella
	Tue.	How to interpretate laboratory tests	Tocchetti
	Wed.	Obesity and metabolic diseases	Parisi
	Thu.	Hyperglicemia and Hypoglicemia	Parisi
	Fri.	Physical examination of the Liver	Salzano
7° Nov. 17-21 2025	Mon.	Liver Diseases	Salzano
	Tue.	Gastro-intestinal bleedings (hematemesis, melena)	Aprea
	Wed.	Dysphagia, Costipation and diarrea	Aprea
	Thu.	Diagnostic evaluation of hernias	Giglio

	Fri.	Abdominal Pain: mechanisms	Giglio
8° **Nov** **24-28** **2025**	Mon.	Acute abdominal syndromes	Giglio
	Tue.	Phisical examination of the Breast and Breast surgery	Giglio
	Wed.	Physical Assessment of head and neck	Rompianesi
	Thu.	Physical examination of the Thyroid Gland and Thyroid Surgery	Rompianesi
	Fri.	Pancreatic diseases and their surgical treatment	Rompianesi
9° **Dec** **1-5** **2025**	Mon.	Diseases of the Biliary tract and their surgical treatment	Rompianesi
	Tue.	Endoscopy	Rompianesi
	Wed.	The scope and purposes of epidemiology. Introduction to EBM	Palladino
	Thu.	Classification of epidemiological studies designs. Descriptive studies. How to read a scientific paper.	Palladino
	Fri.	Cross-sectional studies. Measures of disease frequency and association. The principles of sanitary economy	Palladino
10° **Dec** **9-12** **2025**	Tue.	Principles and practice of screening for disease	Palladino
	Wed.	Cohort studies	Palladino
	Thu.	Metanalysis. The screening in medical practice	Palladino
	Fri.	Clinical Psychology and medical practice: a general introduction	Vitelli
11° **Dec.** **15-19** **2025**	Mon.	Cognitive biases associated with medical decisions	Vitelli
	Tue.	Emotions, feelings and affective biases in clinical practice	Vitelli
	Wed.	Personality traits and treatment compliance	Vitelli
	Thu.	Attachment behavioral system and mentalizing skills in medical care.	Vitelli
	Fri.	Evidence and Values-Based Practice (EBP and VBP)	Vitelli

The clinical clerkship will begin on November 3th, 2024 (from Monday to Thursday 8.30 a.m. - 11.30 a.m.) and will finish on December 13th, 2023. The clerkship location will be communicated in due course. The interactive learning activities will be performed on Friday mornings (8:30-11:30) following the same time frame of the formal lectures.

READINGS/BIBLIOGRAPHY

Suggested textbooks:

Harrison's Principles of Internal Medicine, Twentieth Edition (Vol.1 & Vol.2), 2018
Dennis L. Kasper, Anthony S. Fauci, Stephen L. Hauser, Dan L. Longo
McGraw-Hill Education / Medical; 20 edition (August 17, 2018)
Language: English
ISBN-10: 1259644030
ISBN-13: 978-1259644030

Macleod's Clinical Examination - 14th Edition
Editors: J. Alastair Innes Anna Dover Karen Fairhurst
Paperback ISBN: 9780702069932
Paperback ISBN: 9780702069925
eBook ISBN: 9780702069918
eBook ISBN: 9780702069901
Imprint: Elsevier
Published Date: 11th June 2018

TEACHING METHODS

Frontal lessons, interviews on student request for further information and clarifications, training activities. Clerkship activities will focus on practical aspects of what is discussed at lectures.

EXAMINATION/EVALUATION CRITERIA

a) Exam type:

Examtype	
writtenandoral	
onlywritten	**X**
onlyoral	
project discussion	
other	

In case of a written exam, questions refer to:	**Multiple choiceanswers**	**X**
	Open answers	
	Numericalexercises	

b) Evaluation pattern:
   Written text