



COURSE DETAILS "INTEGRATED COURSE OF BASIS OF CLINICAL MEDICINE II" SSD MED/09, MED/26, L-LIN/12

DEGREE PROGRAMME: MEDICINE AND SURGERY (P11) COORDINATOR: PROF. FRANCESCO CACCIATORE ACADEMIC YEAR 2024-2025

GENERAL INFORMATION – TEACHER REFERENCES

TEACHER: PROF. FRANCESCO CACCIATORE PHONE: +39 081 7464791 FMAIL: FRANCESCO CACCIATORE@UNINA.IT

Faculty	Position	Scientific	Phone	Reception	E-mail
		Fields			
Cacciatore Francesco	Associate Professor	INTERNAL MEDICINE (MED/09)	4791	Thursday/11 a.m. – 12 a.m./ Bldg. 18	francesco.cacciatore@unina.it
Di Minno Matteo	Full Professor	BIOMEDICAL TECNICAL SCIENCE (MED/50)	4323	Wednesday/3:30 – 6:30p.m./ Bldg. 1	matteo.diminno@unina.it
Andrea Salzano	Assistant Professor	INTERNAL MEDICINE (MED/09)	3492	Tuesday/3 p.m. – 4 p.m./Bldg. 2	Andrea.salzano@unina.it
Lanzillo Roberta	Associate Professor	NEUROLOGY (MED/26)	3162/ 3741	Thursday/2 p.m. – 3 p.m./ Bldg 17	roberta.lanzillo@unina.it
Moccia Marcello	Assistant Professor	NEUROLOGY (MED/26)	3162/ 3741	Monday/1 p.m. – 2 p.m./ Bldg 17	marcello.moccia @unina.it

GENERAL INFORMATION about the course

TEACHING LANGUAGE: ENGLISH

CHANNEL (IF APPLICABLE): 1

YEAR OF THE DEGREE PROGRAMME: |

SEMESTER: II

CFU: 6

REQUIRED PRELIMINARY COURSES

Basis of Clinical Medicine I

PREREQUISITES

For a proper understanding of the topics discussed in the Integrated Course, students should have acquired the knowledge of Basis of Clinical Medicine I course.

LEARNING GOALS

The aim of the course is to learn the correct practical use of the terminology of clinical medicine, the logical tools necessary to apply the knowledge acquired to the study of pre-clinical disciplines and the skills useful for their critical and autonomous re-elaboration in the clinical scenario.

EXPECTED LEARNING OUTCOMES

The student must demonstrate that he has acquired both the knowledge necessary for the correct use of medical terminology in the field of pre-clinical disciplines and the skills necessary for a critical and autonomous expansion of the knowledge acquired in relation to the needs of the following years.

Knowledge and understanding

The course is mainly focused on the description of the most important clinical conditions, mainly focused on disease with high prevalence in adult and elderly population. Discussion of clinical cases will help to improve disease knowledge and medical reasoning.

Applying knowledge and understanding

Through the theoretical and practical notions provided from the course, students should develop critical thinking skills and should be capable to autonomously deepen their knowledge and keep up to date of most prevalent diseases. At the end of the course, students should fluently discuss all the learned notions, using the most appropriate terminology and should also be capable of communicating, with a simple but comprehensive and accurate language, the main information's derived from the course.

Autonomy of judgment:

The student must be able to use the acquired knowledge adequately, adapting it to the study of pre-clinical disciplines • Communication skills:

The student must be able to use technical language and the terms of clinical medicine in a medical context, and he must be able to explain in a simple but non-trivial way the basic notions relating to pathologies of clinical interest to non-people experts.

• Learning skills:

The student must demonstrate that he has acquired the necessary skills to expand critically and independently the knowledge acquired through participation in seminars, conferences, congresses and / or the autonomous selection of texts and scientific articles.

COURSE CONTENT/SYLLABUS

The course is based on frontal lessons in which the student will be introduced to the basic notions of clinical medicine. The course is based on the description of the main signs and symptoms of pathology, diagnostic procedure,

Main signs and symptoms of pathology:

Chest pain, dyspnea, abdominal pain, fever, hyper-hypoglycemia, blurred vision, double vision, and related changes, pain, numbness, and tingling, jerks, tremor, and related disorders, stiffness, spasticity, and rigidity, reduced power, paresis, and atrophy, gait and postural dysfunction.

Diagnostic procedure

anamnesis, physical examination, anthropometric indices, blood pressure, EKG, blood gas analysis, hemochrome, coagulation, lipid profile, glycemic profile, cardiovascular risk, biomarkers, instrumental diagnosis, imaging diagnosis, diagnostic and therapeutic algorithm.

Internal Medicine disease

cardiovascular diseases, hypertension, myocardial ischemia, heart failure, pulmonary embolism, COPD, respiratory failure, diabetes, endocrinopathy, syncope, genetic diseases, psysosomatic diseases,

physiological aging, successful aging, pathological aging, vulnerability, and frailty. Interactive clinical cases of internal medicine interest.

Neurological examination and neurological pathologies

pathology changes in neurology, neurophysiology, clerking and examining a neurological patient, neurological emergencies, memory loss and cognitive impairment, loss and alteration of consciousness, interactive clinical cases of neurological interest.

Week	Date	Time	Lesson Topic	Professor
	10	1:00-2:00 PM	Anamnesis, Physical examination Anthropometric indices	Cacciatore
	10	2:00-3:00 PM	Blood analysis. Glycemia, renal function, liver function.	Cacciatore
	10	3:00-4:00 PM	Blood gas	Cacciatore
	10	4:00-5:00 PM	Hyper-hypoglycemia - Electrolites	Cacciatore
	11	1:00-2:00 PM	Hemochrome	Di Minno
	11	2:00-3:00 PM	Coagulation	Di Minno
	11	3:00-4:00 PM	Lipid profile	Di Minno
	11	4:00-5:00 PM	Blood pressure	Di Minno
	12	1:00-2:00 PM	Cardiovascular Risk profile	Cacciatore
March	12	2:00-3:00 PM	ECG	Cacciatore
10th - 14th	12	3:00-4:00 PM	Syncope	Cacciatore
	12	4:00-5:00 PM	Cardiac arrest	Cacciatore
[13	1:00-2:00 PM	Biomarkers	Di Minno
	13	2:00-3:00 PM	Instrumental diagnosis	Di Minno
	13	3:00-4:00 PM	Imaging diagnosis	Di Minno
	13	4:00-5:00 PM	Chest pain	Di Minno
	14	1:00-2:00 PM	Dyspnea – 1	Salzano
	14	2:00-3:00 PM	Dyspnea – 2	Salzano
	14	3:00-4:00 PM	Abdominal pain – 1	Salzano
	14	4:00-5:00 PM	Abdominal pain – 2	Salzano
	17	1:00-2:00 PM	Aging - Comorbidity - Vulnerability	Cacciatore
	17	2:00-3:00 PM	Successful aging	Cacciatore
	17	3:00-4:00 PM	Pathological aging - Frailty	Cacciatore
	17	4:00-5:00 PM	Cognitive impairment and dementia	Cacciatore
	18	1:00-2:00 PM	Fever	Salzano
	18	2:00-3:00 PM	Sepsis and Septic shock	Salzano
2 nd March 17th -18th –	18	3:00-4:00 PM	Psycosomatic diseases - Genetic diseases	Lanzillo
	18	4:00-5:00 PM	Diagnostic and Therapeutic algorithm	Lanzillo
20th	20	1:00-2:00 PM	Pathology changes in neurology	Lanzillo
	20	2:00-3:00 PM	MRI, neurophysiology, and other biomarkers	Lanzillo
	20	3:00-4:00 PM	Clerking and examining a neurological patient - Neurological emergencies	Lanzillo
	20	4:00-5:00 PM	Blurred vision, double vision, and related changes	Lanzillo
24	25	1:00-2:00 PM	Pain, numbness, and tingling	Moccia
30 Marah	25	3:00-4:00 PM	Jerks, tremor, and related disorders -	Moccia
$25th_27th$	27	3:00-4:00 PM	Stiffness, spasticity, and rigidity	Moccia
23ui-27ui	27	4:00-5:00 PM	Loss and alteration of consciousness	Moccia

4d April 1th-3th	1	1:00-2:00 PM	Reduced power, paresis, and atrophy	Lanzillo
	1	2:00-3:00 PM	Gait and postural dysfunction	Lanzillo
	3	3:00-4:00 PM	Clinical cases and application	Cacciatore/Lanzillo
	3	4:00-5:00 PM	Clinical cases and application	Cacciatore/Lanzillo

READINGS/BIBLIOGRAPHY

Macleod's clinical examination

Editors: Anna R Dover, J. Alastair Innes, Karen Fairhurst 15th Edition - April 11, 2023

Harrison's Principles of Internal Medicine, 21e

by Joseph Loscalzo, Anthony Fauci, Dennis Kasper, Stephen Hauser, Dan Longo, J. Larry Jameson McGraw Hill Education

Neurological Examination for Neurologists in Training

by European Academy of Neurology (e-Book)

TEACHING METHODS

The course will be based for the 75% of the course on lectures (n. hours = 42 hours) with the support of power points and on the 25% on Clinical Clerkships (n. hours = 18). **EXAMINATION/EVALUATION CRITERIA**

a) Exam type:

Exam type	
written and oral	
only written	
only oral	Х
project discussion	
Other	

In case of a written exam, questions refer to: (*)	Multiple choice answers Open answers	
	Numerical exercises	

(*) multiple options are possible

b) Evaluation pattern:

The oral exam consists in 3 questions for each module.