



COURSE DETAILS

"BASIS OF CLINICAL MEDICINE I"

DEGREE PROGRAMME: ENGLISH COURSE IN MEDICINE AND SURGERY

ACADEMIC YEAR 2024- 2025

GENERAL INFORMATION—TEACHER REFERENCES

TEACHER (COORDINATOR): PROF. PATERNOSTER MARIANO

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GENERAL INFORMATION ABOUT THE COURSE

INTEGRATED COURSE: BASIS OF CLINICAL MEDICINE I

MODULE: BIOETHICS/FORENSIC MEDICINE
SSD OF THE MODULE: MED/43

MODULE: CLINICAL PSYCHOLOGY
SSD OF THE MODULE: M-PSI/08

MODULE: INTERNAL MEDICINE
SSD OF THE MODULE: MED/09

MODULE: GENERAL SURGERY
SSD OF THE MODULE: MED/18

MODULE: SCIENTIFIC ENGLISH
SSD OF THE MODULE: L-LIN/12

TEACHING LANGUAGE: ENGLISH
YEAR OF THE DEGREE PROGRAMME (I, II, III): I
SEMESTER (I, II, ANNUAL): I
CFU: 9

REQUIRED PRELIMINARY COURSES (IF MENTIONED IN THE COURSE STRUCTURE “REGOLAMENTO”)

None.

PREREQUISITES (IF APPLICABLE)

None.

LEARNING GOALS

The course aims at providing students with basic notions related to social sciences, ethics and communication skills. Learning the science behind medicine is one thing. Learning how to be a doctor is another.

EXPECTED LEARNING OUTCOMES (DUBLIN DESCRIPTORS)

Knowledge and understanding

Bioethics/Forensic Medicine

The course provides students with knowledge needed to:

- 1) know ethical and historical issues of medicine and obtain the ability to communicate with patient and his family, clearly and humanly;*
- 2) be able to recognize and to face ethical issues of daily medical practice;*
- 3) understand the respect for fundamental rights of patient, especially information and self-determination.*

Clinical Psychology

1) Students will be introduced to the following issues: Clinical Psychology and Medical Practice; Personality and individual differences, social bases of behavior, cognitive-affective variables of behavior, Existential-Phenomenological Psychology and Medical Practice; Values Based Practice.

2) Students will acquire knowledge of Existential-Phenomenological Psychology as a useful methodology for describing and ordering first person experience of illness in order to improve their own clinical/relational skills.

3) Students will be introduced to the Values Based Practice.

Such different topics may allow the student to grasp the complex and intertwining different psychological dimensions related to the patients' illness experience and doctor-patient relationship as the core element in the ethical principles of medicine.

Internal Medicine

The course provides students with knowledge of:

- 1) The evolution of medical teaching;*
- 3) Patient Care;*
- 3) Practice-Based Learning and Improvement;*
- 4) Interpersonal and Communication Skills;*
- 5) Professionalism;*
- 6) Systems-Based Practice;*
- 7) Impact of Lifestyles, climate changes and pollution on wellbeing and health*

General Surgery

The course provides students with knowledge needed to:

- 1) enter the clinical scenario of General Surgery;*
- 2) acquire basic concepts of the evolution of General Surgery;*
- 3) be informed on the modern technological armamentarium of General Surgery.*

Applying knowledge and understanding

The course delivers ability and tools needed to apply knowledge in practice, favoring the ability to use methodological tools to provide valid clinical assistance and to empathize with patients and their families when they are at their most vulnerable and in need of understanding.

COURSE CONTENT/SYLLABUS

Bioethics/Forensic Medicine

Module's ECTS: 2

Bioethics: origin, definition, methodology. Development of codes of conduct and ethical guidelines.

The foundation of the doctor-patient relationship models

Information problems: Consent, Capacity, Disclosure, Voluntariness, Truth telling, Confidentiality.

Bioethics issues about birth: Assisted reproduction, Ethical dilemmas in the care of pregnant women,

Prenatal testing and newborn screening.

Defining Death, Brain Death.

End of life care: Quality end of life care, Substitute decision making, Advance care planning and living will.

Euthanasia and assisted suicide, Conflict in the healthcare setting at the end of life.

Organ transplantation and organ donation.

Child abuse and neglect.

Ethical troubles of genetics: Genetic testing and screening, Bio-banking, Genetic therapy, Embryo and fetal research, Stem cells research, Clonation.

Medical error, Disclosure of medical error.

Emergency and trauma medicine ethics, Emergency and disaster scenarios.

Specialty bioethics: Anesthesiology ethics, Critical and intensive care ethics, Infectious diseases ethics, Psychiatric ethics.

Clinical Psychology

Module's ECTS: 1

Clinical Psychology, Bioethics and Medicine: A general Introduction.

Cognitive Psychology and Phenomenological-Existential Psychology.

The three major "building blocks" of Personality: Temperament, Attachment and Mentalization.

An introduction to the person-centered approach in Medicine.

Personality traits and Existential Dimensions of Diseases.

The "Interactional View" and Pragmatics of Human Communication.

Psychological aspects of the medical consultation.

Empathy, "theory of mind" and "simulation theory".

The two more common types of patient interviews: the problem-oriented interview and the health promotion interview.

Active listening skills in the medical practice.

Strategies for dealing with difficult emotions (denial, anger, and fear) and Values-based Medicine.

Strategies for negotiating a management plan in the clinical practice.

Internal Medicine

Module's ECTS: 3

Introduction and objectives of the course.

The evolution of medical teaching: from the Middle Ages to the present day.

Longevity and Politics: a dialectical relationship Internal Medicine.

The evolution of the National Health Service: from philanthropy to the culture of rights.

Medical Knowledge: Health, Physician's Role, History taking.

Becoming a Doctor.

Being a Doctor.

Patient care: Physical Examination.

Special populations: the elderly patient.

Communication skills.

Critical Appraisal.

Reviewing a scientific paper.

The respiratory system: main signs and symptoms.

Cardiovascular signs and symptoms.

Abdominal signs and symptoms.
Cardiovascular risk factors.
Hypertension.
Serum lipidic profile.
Diabetes.
Basics of ECG.
Obesity and metabolic syndrome.
What is malnutrition?
Sport Medicine: Definitions and terminology.
Fundamentals of muscle biology.
Muscle Biology.
Energetics.
Moving Physiology.
Benefits of physical activity: assessment
Lifestyles and health
Climate changes and health

General Surgery
Module's ECTS: 1
Narrative description of spectacular General Surgery cases.
From Barber to Surgeon.
Fundamentals of General Surgery (anaesthesia & asepsis).
Overview of Surgical Specialties.
Open Surgery.
Laparoscopic Surgery
Endoluminal Surgery and Artificial Intelligence (AI).
Robotic Surgery.
The emergency setting vs elective procedures.
The Patient Journey.
The Surgical team.
The importance of Research in clinical experience.

READINGS/BIBLIOGRAPHY

Bioethics/Forensic Medicine
Peter A. Singer, A. M. Viens. The Cambridge Textbook of Bioethics (2008).

Clinical Psychology
Fredrik Svenaeus. Phenomenological Bioethics: Medical Technologies, Human Suffering, and the Meaning of Being Alive. Routledge (2017).

Internal Medicine
Fundamentals of Clinical Practice, 2nd Edition (Oct 31, 2002) edited by Mengel MB, Holleman WL, Fields SA,
Guidelines to Exercise Prescription, American College of Sports Medicine 2018

General Surgery
Courtney Townsend et al. Sabiston Textbook of General Surgery: The Biological Basis of Modern Surgical Practice – 21ST Edition Elsevier.

Some online material is used besides the recommended textbook available online (<https://www.docenti.unina.it> - Search for teacher's name).

TEACHING METHODS

Teachers will use: a) lectures for approx. 90% of total hours; b) seminar on specific themes for approx. 10% of total hours or CFU.

EXAMINATION/EVALUATION CRITERIA

a) Exam type:

For *integrated courses*, there should be one exam.

Exam type	
written and oral	
only written	X
only oral	
project discussion	
other	

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

(*) multiple options are possible

b) Evaluation pattern:

Test of multiple choice questions concerning topics included in formal lectures and other learning activities.

There are 60 test questions and the student have to make a 36 to pass.

The course does not require a final grade but only passing the test.

CALENDAR of THE COURSE LESSONS

21/10/24

16.20 – 17.05: Internal Medicine: Introduction and objectives of the course - Prof. G. Corbi

22/10/24

13.50 – 14.35: General Surgery: Narrative description of spectacular General Surgery cases - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine: The evolution of medical teaching: from the Middle Ages to the present day - Prof. G. Corbi

15.30 – 16.15: Internal Medicine: Longevity and Politics: a dialectical relationship Internal Medicine - Prof. G. Corbi

24/10/24

14.40 – 15.25: Clinical Psychology: Clinical Psychology, Bioethics and Medicine: A general Introduction - Prof. R. Vitelli.

25/10/24

13.50 – 14.35: Bioethics/Forensic Medicine: Bioethics: origin, definition, methodology. Development of codes of conduct and ethical guidelines. The foundation of the doctor-patient relationship models - Prof. M. Paternoster.

14.40 – 15.25: Bioethics/Forensic Medicine: Information problems: Consent, Capacity, Disclosure, Voluntariness, Truth telling, Confidentiality - Prof. M. Paternoster.

28/10/24

16.20 – 17.05: Internal Medicine: The evolution of the National Health Service: from philanthropy to the culture of rights
- Prof. G. Corbi

29/10/24

13.50 – 14.35: General Surgery: From Barber to Surgeon - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine: Medical Knowledge 1: Health- Prof. D. Femminella

15.30 – 16.15: Internal Medicine: Medical Knowledge 2: Physician's Role- Prof. D. Femminella

31/10/24

14.40 – 15.25: Clinical Psychology: Cognitive Psychology and Phenomenological-Existential Psychology- Prof. R. Vitelli

4/11/24

16.20 – 17.05: Internal Medicine: Medical Knowledge 3: History taking- Prof. D. Femminella

5/11/24

13.50 – 14.35: General Surgery: Fundamentals of General Surgery (anaesthesia & asepsis) - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine: Being a Doctor - Prof. D. Femminella

15.30 – 16.15: Internal Medicine: Patient care: Physical Examination - Prof. D. Femminella

7/11/24

14.40 – 15.25: Clinical Psychology: The three major "building blocks" of Personality: Temperament, Attachment and Mentalization - Prof. R. Vitelli

8/11/24

13.50 – 15.25: Bioethics/Forensic Medicine: Bioethics issues about birth: Assisted reproduction, Ethical dilemmas in the care of pregnant women, Prenatal testing and newborn screening - Prof. M. Paternoster.

11/11/24

16.20 – 17.05: Internal Medicine: Becoming a Doctor - Prof. D. Femminella

12/11/24

13.50 – 14.35: General Surgery: Overview of Surgical Specialties - Prof. L. Angrisani

14.40 – 16.15: Internal Medicine: Communication skills - Prof. D. Femminella

14/11/234

14.40 – 15.25: Clinical Psychology: An introduction to the person-centered approach in Medicine - Prof. R. Vitelli

15/11/24

13.50 – 15.25: Bioethics/Forensic Medicine: Defining Death, Brain Death - Prof. M. Paternoster

18/11/24

16.20 – 17.05: Internal Medicine: Special populations: the elderly patient- Prof. D. Femminella

19/11/24

13.50 – 14.35: General Surgery: Open Surgery - Prof. L. Angrisani

14.40 – 16.15: Internal Medicine: Critical Appraisal - Prof. D. Femminella

21/11/24

14.40 – 15.25: Clinical Psychology: Personality traits and Existential Dimensions of Diseases - Prof. R. Vitelli

22/11/24

13.50 – 15.25: Bioethics/Forensic Medicine:End of life care: Quality end of life care, Substitute decision making, Advance care planning and living will - Prof. M.Paternoster

25/11/24

16.20 – 17.05: Internal Medicine: Reviewing a scientific paper - Prof. D. Femminella

26/11/24

13.50 – 14.35: General Surgery: Laparoscopic Surgery - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine: Cardiovascular signs and symptoms - Prof.G. Corbi

15.30 – 16.15: Internal Medicine:Abdominal signs and symptoms- Prof.G. Corbi

28/11/24

14.40 – 15.25: Clinical Psychology:The "Interactional View" and Pragmatics of Human Communication - Prof. R. Vitelli

29/11/24

13.50 – 15.25: Bioethics/Forensic Medicine:Euthanasia and assisted suicide, Conflict in the healthcare setting at the end of life - Prof. M. Paternoster

2/12/24

16.20 – 17.05:Internal Medicine: The respiratory system: main signs and symptoms - Prof.G. Corbi

3/12/24

13.50 – 14.35: General Surgery: Endoluminal Surgery and Artificial Intelligence (AI) - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine: Hypertension - Prof. G. Corbi

15.30 – 16.15: Internal Medicine: Serum lipidic profile - Prof. G. Corbi

5/12/24

14.40 – 15.25: Clinical Psychology:Psychological aspects of the medical consultation -Prof. R. Vitelli.

6/12/24

13.50 – 15.25: Bioethics/Forensic Medicine:Organ transplantation and organ donation - Prof. M. Paternoster

9/12/24

16.20 – 17.05:Internal Medicine: Cardiovascular risk factors- Prof.G. Corbi

10/12/24

13.50 – 14.35: General Surgery: Robotic Surgery - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine:Definitions and terminology - Prof. G. Iaccarino

15.30 – 16.15: Internal Medicine:Physical activity,Fundaments of muscle biology - Prof. G. Iaccarino

12/12/24

14.40 – 15.25: Clinical Psychology:Empathy, “theory of mind” and “simulation theory” - Prof. R. Vitelli

13/12/24

13.50 – 15.25: Bioethics/Forensic Medicine:Child abuse and neglect - Prof. E. Capasso / M. Niola

16/12/24

16.20 – 17.05: Internal Medicine: Diabetes - Prof. G. Corbi

17/12/24

13.50 – 14.35: General Surgery:The emergency setting vs elective procedures - Prof. L. Angrisani

14.40 – 15.25: Internal Medicine: Diet and nutrition: principle and definitions - Prof. G. Iaccarino

15.30 – 16.15: Internal Medicine: Energetics,How to produce- Prof. G. Iaccarino

19/12/24

14.40 – 15.25: Clinical Psychology:The two more common types of patient interviews: the problem-oriented interview and the health promotion interview.- Prof. R. Vitelli.

20/12/24

13.50 – 15.25:Bioethics/Forensic Medicine:Genetic testing and screening, Bio-banking, Genetic therapy, Embryo and fetal research, Stem cells research, Clonation -Prof. E. Capasso / M. Niola

7/1/25

13.50 – 14.35: General Surgery:The Patient Journey - Prof. L. Angrisani

14.40 – 16.15: Internal Medicine:Energetics, how to use it up - Prof. G. Iaccarino

9/1/25

14.40 – 15.25: Clinical Psychology:Active listening skills in medical practice- Prof. R. Vitelli.

10/1/25

13.50 – 15.25: Bioethics/Forensic Medicine:Medical error, Disclosure of medical error -Prof. E. Capasso / M. Niola

13/1/25

16.20 – 17.05:Internal Medicine: Basics of ECG1 -Prof.G. Corbi

14/1/25

13.50 – 14.35: General Surgery:The Surgical team - Prof. L. Angrisani

14.40 – 16.15: Internal Medicine(Sport Medicine): Physical Activity impact on physiology assessments - Prof. G. Iaccarino

16/1/25

14.40 – 15.25: Clinical Psychology:Strategies for negotiating a management plan in the clinical practice- Prof. R. Vitelli

17/1/25

13.50 – 15.25: Bioethics/Forensic Medicine:Emergency and trauma medicine ethics, Emergency and disaster scenarios - Prof. E. Capasso / M. Niola

20/1/25

16.20 – 17.05:Internal Medicine: Basics of ECG2 -Prof.G. Corbi

21/1/25

13.50 – 14.35: General Surgery:The importance of Research in clinical experience - Prof. L. Angrisani

14.40 – 16.15: Internal Medicine (Sport Medicine): Dietadaptation - Prof. G. Iaccarino

23/1/25

14.40 – 15.25: Clinical Psychology:Strategies for dealing with difficult emotions (denial, anger, and fear) and Values-based Medicine - Prof. R. Vitelli

24/1/25

13.50 – 15.25: Bioethics/Forensic Medicine: Specialty bioethics: Anesthesiology ethics, Critical and intensive care ethics - Prof. E. Capasso / M. Niola

27/1/25

16.20 – 17.05:Internal Medicine: Obesity and metabolic syndrome.What is malnutrition? - Prof.G. Corbi

28/1/25

13.50 – 14.35: General Surgery: Becoming a Surgeon- Prof. L. Angrisani

14.40 – 16.15: Internal Medicine (Sport Medicine): Impact of Climate changes on health and well being - Prof. G. Iaccarino

30/1/25

14.40 – 15.25: Clinical Psychology: Strategies for negotiating a management plan in the clinical practice - Prof. R. Vitelli

31/1/25

13.50 – 15.25: Bioethics/Forensic Medicine: Specialty bioethics: Infectious diseases ethics, Psychiatric ethics -Prof. E. Capasso / M. Niola