

<b>Degree</b>	<b>Radiology, Diagnostic Imaging and Radiotherapy Techniques</b>
<b>Integrated teaching Module</b>	Professional Ethics Med/50 Medical Sciences and Techniques (Ethics and Communication) ; M-psi/01 Clinical Psychology,group Dynamics
<b>Number of CFU</b>	4
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### PREREQUISITES

No preliminary cognitive prerequisites are required at the beginning of the lessons.

### LEARNING OBJECTIVES

The training course of this module integrates teachings of clinical psychology and group dynamics with the deontological, legislative and communication aspects provided for the profession of radiologist technician, providing the teachings:

- 1) Medical Sciences and Techniques (Ethics and Communication) ;
- 2) Clinical Psychology,group Dynamics .

The teaching, integrated with psychology, aims to provide the student with:

- 1) specific skills on the fundamental issues of ethics, deontology and communication: central pillars and essential knowledge for the professional exercise and carrying out the activity professional, which support the action of the healthcare professional, in all the patient's caretaking activity, in an operational context, strongly renewed over time both by progress and by scientific and technological achievements and by the regulatory and organizational, which strengthened the concept of team or team, and of professional responsibility. The course introduces the student to knowledge of the legislation on the autonomy of professional practice, on the specific professional profile and on the relevant legal-medico-legal aspects and the related implications of professional practice;
- 2) basic knowledge of clinical psychology and group dynamics. The aim is to provide a theoretical framework for the comprehension of the various applications of clinical psychology in health care and research. Furthermore, the focus on group dynamics aims to provide adequate knowledge of interpersonal relations, communication strategies and role dynamics with particular reference to work groups and teams.

### LEARNING OUTCOMES

At the end of the course, the student must be able to:

- a) About the teaching of Medical Sciences and Techniques (Ethics and Communication) :
  - Know the key contents of the ethical and deontological principles;
  - Know the correct communication and relational skills that allow a better knowledge of the patient in his diagnosis and treatment path;
  - Know the legal principles regarding health responsibility and patient safety

- Know your professional profile, specific responsibilities, professional organization and protection of the profession
- Illustrate the knowledge acquired and know how to apply them under the operational aspect.

b) About the teaching of Clinical Psychology and Group Dynamics:

At the end of the course, students will be able to understand the characteristics of different theoretical approaches related to clinical psychology and to elaborate and integrate knowledge about different assessment and therapeutic intervention techniques in relation to professional practice and emotional involvement with the patient. Students will have the necessary skills to assist people with health problems by understanding the emotional processes and defence mechanisms in healthy individuals and in those coping with acute, chronic and chronic/degenerative disease processes. Conoscenza e capacità di comprensione

- to know the psychological aspects inherent in the relationship with the patient, the fundamental aspects and principles of a therapeutic relationship
- to know group dynamics in order to better understand the relationships between the different professional figures in a team

**Ability to apply knowledge and understanding**

At the end of the course the student must be able to:

1. Apply responsible and ethical conduct,
2. Comply with applicable regulations;
3. Consciously apply the acquired knowledge, in order to correctly provide services and ensure patient safety;
4. deepen autonomously the aspects related to the specific field to which the student will dedicate himself in the context of his professional activity;
5. know how to apply their skills to approach the patient appropriately considering the emotional and cognitive aspects
6. know how to apply their skills to best adhere to group dynamics

**Communication skills**

At the end of the course the student must be able to:

1. Know, in an adequate way, the terminology and the related specific scientific aspects of the topics covered;
2. apply their knowledge and skills to the professional context, so that they can communicate effectively with:
3. The user and accompanying persons
4. the team with which he works, coordinating and collaborating correctly and proposing a timely, critical, proactive and resolving analysis of inconveniences and problems.
5. Knowing how to choose the form and means of communication appropriate to the circumstances in the relationship with the working group and with patients in the health sector

### **Autonomy of judgment**

At the end of the course the student must know:

1. carry out general evaluations related to the topics covered
2. know how to observe and collect additional information to achieve greater knowledge and awareness of the elements to be considered in clinical practice, in research contexts and in relations with the working group

### **Learning skills**

- develop the ability to learn the observation of the relationship with patients and with the working group in clinical and research contexts

## **COURSE SYLLABUS**

### **a) Teaching of Medical Sciences and Techniques (ethics, deontology and communication),**

1. Introduction to ethics and deontology, concepts and fundamental values of professional ethics in the modern healthcare context;
2. Elements of patient safety, professional liability and health law;
3. The communicative relationship for health professionals: enhancement of communication and information with the user, with the team, with the outside.
4. Professional profile
5. Professional organization, Orders and registers
6. International comparison

Seminar: Students meet the Professional Order: perspectives and projects, international projects (Expected date: last day scheduled according to the calendar)

### **b) Teaching of Clinical Psychology and Group Dynamics:**

The Clinical Psychology and Group Dynamics course aims to provide the theoretical background knowledge of clinical psychology and group dynamics.

Topics covered:

1. Clinical psychology: definition of clinical psychology, history of psychology, theoretical models.
2. Behaviour: violation of social norms, subjective distress, disability, dysfunction and impairment
3. Clinical assessment of behaviour and personality: assessment methods in clinical psychology (interviews, questionnaires, etc.)
4. Psychological interventions: psychotherapy, psychodynamic perspectives
5. Learning: classical and operant conditioning methods underlying behavioural strategies

6. Cognitive-behavioural therapies: new approaches of therapeutic intervention in clinical psychology
7. Groups: types, stages of development, group formation steps.
8. Conflict: influence patterns in groups, conflict resolution, group strength
9. Leadership in groups: attributes, skills and profile of the leader

Seminar: Psychopathology: major models for clinical diagnosis and therapeutic intervention.

### **COURSE STRUCTURE**

The method of carrying out the lessons is frontal, equal to a total of 40 hours of classroom lessons, in days of 4 hours following the academic calendar as prepared.

Teaching is entirely in English.

### **COURSE GRADE DETERMINATION**

For the purposes of the assessment, the student must have complied with the obligation to attend lessons.

The exam consists of a written test, integrated with the other teaching of the module.

The written test consists of multiple choice questions to be completed in 60 minutes and covers the entire exam program.

The score of the written test is calculated taking into account only the correct answers.

There are no oral tests and / or tests of integration to the written one, except in special cases, at the request of the student and evaluated by the teachers of the module.

The final grade corresponds to the score of the written test weighted with the evaluation of the supplementary test (if any).

The exams will take place at the end of the semester of teaching and the dates of the appeals will be promptly communicated according to the usual communication channels, in the classroom and through the Gomp portal.

The teaching module is integrated with another discipline always related to radiological sciences. The student can take the test in a single appeal or in different appeals of the current academic year.

The exam will be overall evaluated according to the following criteria:

- Not suitable: important deficiencies and/or inaccuracies in knowledge and understanding of the topics; limited capacity for analysis and synthesis, frequent generalisations.
- 18-20: just enough knowledge and understanding of topics with possible imperfections; ability to analyze synthesis and independent judgment sufficient.
- 21-23: knowledge and understanding of routine topics; correct analysis and synthesis skills with coherent logical argumentation.
- 24-26: good knowledge and understanding of the topics; good analytical and synthesis skills with rigorously expressed arguments.
- 27-29: complete knowledge and understanding of the topics; remarkable skills of analysis, synthesis. Good autonomy of judgment.

- 30-30L: Excellent level of knowledge and understanding of the required contents with an excellent ability to analyze and synthesize with the ability to argue the required contents in a rigorous, innovative and original way; excellent ability to use technical language

### OPTIONAL ACTIVITIES

Workshops may be provided at the internship sites and guided tours.

### READING MATERIALS

#### a) Med/50 **Medical sciences and techniques** (ethics, deontology and communication) [Di Lascio]:

- Patrick Davey , Anna Rathmell, Michael Dunn , Charles Foster, Helen Salisbury, Medical Ethics, Law and Communication at a Glance, ed. Wiley Blackwell, USA, 2017
- Loewy, Erich E.H., Textbook of Healthcare Ethics, ed. Springer, Milano 2002
- Material written by the professor, referring to the lessons
- Consultation of documents and free resources produced by the European scientific societies of radiology, nuclear medicine, radiotherapy Guidelines & Recommendations or free content to download
  - for example:  
European Society of Radiology  
<https://www.myesr.org/publications/guidelines-and-recommendations>,  
European Association of Nuclear Medicine (EANM)  
<https://www.eanm.org/publications/technologists-guide/>

#### b) M-psi/01 **Clinical psychology and group dynamics** [Cordone] :

- Trull TJ., Prinstein NJ. Clinical Psychology (eighth edition). Wadsworth cengage learning. Ebook.
- Haines NM. Group Dynamics. Basics and Pragmatics for Practitioners. University press of America, 2012.
- Kearns T., Lee D. General Psychology: An Introduction. NOBA, 2015

The teachers are available to students for problems related to scientific-disciplinary teaching, subject to communication via e-mail and subsequent appointment that can also take place remotely and / or according to the provisions and indications of the university organization.