



UNICAMILLUS

Degree Course in Medical Radiology Techniques for Imaging and Radiotherapy

INTEGRATED COURSE: Elective Courses (Second Year)

Number of ECTS Credits: 3

SSD: MEDS-26/B (ex MED/50)

PREREQUISITES

Musculoskeletal anatomy, principles of physics of radiodiagnostic equipment, radiodiagnostic techniques and methodologies, CT and MRI

EDUCATIONAL OBJECTIVES

In-depth study of radiodiagnostic, CT and MRI techniques and methodologies

EXPECTED LEARNING OUTCOMES

Knowledge and Understanding

Through this course, the student will be able to:

- understand radiodiagnostic, CT and MRI techniques and methods;
- apply patient management procedures;
- understand radiation protection regulations.

Applying Knowledge and Understanding

At the end of the course, the student will:

- be able to independently perform radiodiagnostic, CT and MRI examinations.

Communication Skills

At the end of the course, the student will:

- be able to correctly use appropriate technical terminology.

Making Judgements

At the end of the course, the student will:

- be able to make basic evaluations related to the topics covered.

Learning Skills

The student will acquire appropriate learning skills and methods to further develop and improve their competencies, also through consultation of scientific literature.

COURSE SYLLABUS

- Theoretical and practical activities preparing students for clinical training in Conventional Radiology, CT and MRI.
- Guided simulation of radiological examinations.
- Discussion and clarification of radiation protection criteria and correct patient interaction.

- Briefing and debriefing activities on topics covered during professional courses, including small-group discussions and analysis of situations, incidents, or significant events encountered during clinical training, involving both students and tutors/lecturers.
- Participation in ECM courses.

TEACHING METHODS

The course is delivered through classroom-based lectures.

ASSESSMENT METHODS

Grades are awarded upon completion of a written assignment, which the student may submit only after having attended at least 75% of the scheduled activities.

Assessment criteria include: acquired knowledge, autonomy of judgement, communication skills, and learning abilities.

SUPPORT ACTIVITIES

Students may request optional seminars to further explore specific topics of interest.

RECOMMENDED TEXTS AND BIBLIOGRAPHY

Additional materials will be provided during the course, and further reference texts will be indicated.