



UNICAMILLUS

Degree Course in Medical Radiology Techniques for Imaging and Radiotherapy

INTEGRATED COURSE : Annual Clinical Practice (First Year)

Number of ECTS Credits: 17

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

PREREQUISITES

Musculoskeletal anatomy, principles of physics

EDUCATIONAL OBJECTIVES

Knowledge of radiodiagnostic techniques and methodologies

EXPECTED LEARNING OUTCOMES

Knowledge and Understanding

Through this course, the student will be able to:

- understand radiodiagnostic 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 use the acquired knowledge to independently perform radiodiagnostic examinations.

Communication Skills

At the end of the course, the student will:

- be able to use appropriate technical terminology correctly.

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 have acquired appropriate learning skills and methods to further develop and improve their competencies, also through consultation of scientific literature.

COURSE PROGRAMME

- Skull X-ray
- Cervical Spine X-ray
- Cervical Spine X-ray – Open Mouth
- Cervical Spine X-ray – Oblique Views

- Thoracic Spine X-ray
- Lumbo-Sacral Spine X-ray
- Lumbo-Sacral Spine X-ray – Oblique Views
- Lumbo-Sacral Spine X-ray with Dynamic Views
- Coccyx X-ray*
- Full Spine X-ray under Load
- Lower Limbs X-ray under Load
- Pelvis X-ray for Hips
- Knee X-ray
- Axial Patella X-rays at 30°/60°/90°
- Ankle X-ray
- Foot X-ray
- Shoulder X-ray
- Elbow X-ray
- Hand–Wrist X-ray
- Chest X-ray for Ribs
- Chest X-ray
- Bedside Chest X-ray
- Upright Abdominal X-ray
- Bedside Abdominal X-ray
- Complete Digestive Tract Examination
- Defecography
- Cystourethrography
- Double-Contrast Barium Enema X-ray
- Stratigraphy
- Orthopantomography
- Skull Teleradiography
- Bone Mineral Density (DEXA) of Femur and Lumbar Spine
- Total Body Bone Mineral Density (DEXA)
- Femur X-ray
- Leg X-ray
- Hysterosalpingography
- Humerus X-ray
- Spine Bending X-ray
- Forearm X-ray

TEACHING METHODS

The course consists of technical-practical clinical training, organized into morning and afternoon shifts.

ASSESSMENT METHODS

Grades are awarded following completion of an oral examination, which the student may take only after having attended at least 75% of the total annual training hours.

Assessment criteria include:

- acquired knowledge;
- autonomy of judgement;

- communication skills;
- 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.