

It is offered by the Saint Camillus International University of Health and Medical Sciences, in this document referred to as UniCamillus, the Bachelor's Degree Course in "Radiology, Diagnostic Imaging and Radiotherapy Techniques" (qualifying for the professional title of Health Technician of Medical Radiology), class L/STN3. The Course has a normal duration of 3 years and ends with a final qualifying exam and the achievement of the academic title of "Degree of Health Technician of Medical Radiology".

This regulation disciplines the structure of contents, the organization and the functioning of the Degree Course in Radiology, Diagnostic Imaging and Radiotherapy Techniques, class L/SNT3, in accordance with the M.D. 22 October 2004, n. 270.

The Degree Course (DC) has the objective of providing students with knowledge and skills necessary for the professional practice as Health Technician of Medical Radiology, class L/SNT3, as regulated by the profile M.D. 746 of 26 September 1994.

The didactic department of the Degree Course is the Departmental Faculty of Medicine and Surgery.

The Course belongs to the class of degrees in "Technical Health Professions" (class L/STN-3). The graduate in "Radiology, Diagnostic Imaging and Radiotherapy Techniques" is the healthcare professional endowed with the knowledge and competences required to perform radiological investigations and services in accordance with M.D. of the Ministry of Health n° 746 of 26 September 1994.

The graduate is responsible for all procedures and interventions requesting the use of ionizing radiation both artificial and natural, of ultrasonic and thermal energy, of Magnetic Resonance, of Nuclear Medicine and Radiotherapy, as well as interventions for physical and dosimetric protection.

Their duties include:

1. maintaining, activating and using instruments;
2. recording tests' data and drafting diagnostic reports;
3. maintaining relations with patients;
4. managing operations relating to tests' security;
5. performing radiological investigations and radiotherapeutic treatments, safeguarding the radioprotection of both patients and operators;
6. cooperating for the correct management and update of radiological reports, as far as they concern them;
7. managing and transmitting the radiological images considering IT security and privacy during the entire diagnostic process;
8. carrying out activities of training and self-learning addressed to students, support staff and new employees;
9. developing research activities aimed at the production of new knowledge for the continuous quality improvement;
10. promoting actions of professional integration and participates in interdisciplinary work groups for citizen assistance.

The DC's curriculum includes educational activities aimed at the acquisition of specific knowledge and competences, related to the intended functions for the professional profile of Health Technician of Medical Radiology.

Candidates who rank successfully in the list of admitted students but do not demonstrate sufficient knowledge in chemistry, biology and physics, will be given additional educational duties (Obblighi Formativi Aggiuntivi, OFA) to be solved via make-up courses organized by the University. Students, therefore, are admitted with an additional educational duty only with respect to the subject/s in which they have a knowledge deficit and the solvency of the OFA will be certified by the Professor holding the course through a written or oral test issuing a specific qualifying evaluation, to be obtained before the first exam of the I year of the course.

The admission to the Degree Course requires also medical examinations, in accordance with the procedures stated by the current legislation, regarding the suitability for the specific professional profile.

The departmental Faculty of Medicine and Surgery defines the Didactic Organization, in compliance with the current legislation and sets for each Degree Course the classification of learning activities in basic, qualifying, similar and elective, aimed at the final exam. Each educational activity is relevant to different didactic fields; they include courses to which the Scientific Disciplinary Sectors pertain.

All the didactic programmes, as well as the lessons' schedule, are available online on the UniCamillus website, www.unicamillus.org, in the DCs' dedicated page.

The Degree Course in Radiology, Diagnostic Imaging and Radiotherapy Techniques can have the following types of learning activities:

- Frontal lessons: discussion of a specific topic identified by a title, held by one or more professors in the classroom and addressed to all students;
- Seminars: presentation in the classroom of clinical cases carried out by the students thanks to their professors' tutoring;
- Practical training: practical laboratories to develop technical skills, even advanced, through simulations on dummies or directly on students;
- Professionalizing clinical practice: direct assistance to patients in a highly complex and multidisciplinary clinical care entity under the direct supervision of tutors.


For students enrolled for the first time in the academic year 2022/2023 there are the following requirements: exams that are preparatory to subsequent integrated courses (and must be passed before the relative subsequent exams) and the rules for the participation to the clinical practice:

I.C. Medical and Clinical Sciences I	I.C. Anatomy, Histology and Human Physiology
I.C. Techniques of Diagnostic Imaging II	I.C. Diagnostic Imaging Techniques I
I.C. Medical and Clinical Sciences II	I.C. Medical and Clinical Sciences I
Annual Clinical Practice (second year)	Annual Clinical Practice (first year)
Annual Clinical Practice (third year)	Annual Clinical Practice (second year)

The unit of measurement for the work performed by the student to accomplish every learning activity as referred to in the Didactic Regulation and to obtain the qualification is the academic credit called "Credito Formativo Universitario (CFU/ECTS)".

The Degree Course in Radiology, Diagnostic Imaging and Radiotherapy Techniques requires 180 ECTS in total, during the 3 years of the course, including those gained in educational activities aimed at the development of specific professional skills (Clinical Practice - 60 ECTS).

Each ECTS, equal to 25 hours of learning for the student, includes hours of frontal lessons, practice, laboratory,



seminary and other learning activities as requested by the Didactic Organization, alongside with hours of individual study and personal commitment required to complete the learning process in order to pass the exam, or to implement educational activities not directly subject to the academic didactics (dissertation, projects, clinical practice, linguistic and IT competences, ecc.). ECTS corresponding to each learning activity are acquired by the student at the passing of the exam or of any other form of examination. Grades are expressed on a scale of 30 and the final exam on a scale of 110, possibly with a honor.

Professionalizing educational activities include participation to clinical practice, laboratory and practical activities carried out in facilities appropriate for dimensions and technical features, in relation to the scheduled activity and to the number of students.

The structure and organization of professionalizing activities are administered by the Didactic Director who arranges a detailed plan for their implementation.

Clinical practice activities are held under the direction and responsibility of Tutors.

Clinical practice is the irreplaceable learning mode for professional skills, through practical experimentation and integration of theoretical-scientific knowledge with professional and organizational operational practice.

Clinical practice performance - mandatory and non-replaceable - is certified by the Tutor, who assesses and documents in the dedicated evaluation form the levels of skills gradually achieved by the student.

For each student, the Didactic Director monitors the performing of the total number of hours of programmed clinical practice. At the end of each year of the degree course, the student must take the annual clinical practice exam. Such exam is evaluated on a scale of 30.

The activities that the student performs during the clinical practice must not and cannot be considered as a replacement of staff's working hours.

The student must attend the didactic activities scheduled in the study plan. The calendar is planned in response to the organizational needs of the University which evaluates its overall requirements. The schedule cannot be modified upon request of a single student, for any reason (health, religion, other).

In order to be admitted to sit for the exams, the student must have attended at least the 75% of the hours of the didactic activities planned for every integrated course. The student who does not reach the 75% threshold of attendance is not admitted to the exam. The margin of tolerance of 25% is aimed at covering, in addition to absences due to force majeure or to any other cause, all the individual needs of the students, included the religious festivities that might occur within the lessons' calendar, provided that the University is open to young people of any faith and believes that they must have the opportunity to freely profess it, obviously having regard to the limits of compatibility with the unavoidable requirement of attending at least $\frac{3}{4}$ of the scheduled classes. Attendance is verified by professors thanks to the checking methods established by the Athenaeum.

Professors, at the end of each didactic term, shall communicate, even in an electronic format, to the competent offices of the Secretariat, the names of the students whose attendance is missing. Should this communication not be submitted, the student will be considered to have fulfilled the mandatory attendance.

The Teaching Body sets the offer of elective courses, doable as frontal lessons, seminars, interactive courses in small groups, until the achievement of a total number of 6 ECTS.

The calendar of activities is published before the beginning of each academic year, or, in any case, before each didactic term, along with the calendar of mandatory didactic activities.

Elective didactics are considered as Professors' official teaching and thus are recorded in the lectures' register.

The grade obtained in these classes is taken into account for the attribution of the grade in the final exam.



BIO/13	Applied Biology	2
MED/36	Radiobiology	1
BIO/10	Biochemistry	2
BIO/12	Clinical Biochemistry and Molecular Biology	2
MED/03	Genetics	1
MED/07	Microbiology	1
BIO/16	Human Anatomy and Radiological Anatomy	4
MED/36	Radiological Anatomy	1
BIO/17	Histology	1
BIO/9	Human Physiology	2
MED/01	Medical Statistics applied to Radiological Sciences	1
INF/01	IT applied to Radiological Sciences	2
ING- INF/05	Data Processing and Storage	2
FIS/07	Basics of Physics and Physics of Radiation	3
MED/36	Diagnostic Imaging and Radiotherapy	2
MED/50	Medical Sciences and Techniques	6
ING- INF/07	Electronics and IT	2
MED/36	Radiological protection	2
MED/44	Workplace Safety	3
MED/50		





M-PSI/01	Clinical Psychology, Group Dynamics	2
MED/05	Medical Sciences and Techniques (Ethics, Deontology and Communication)	2
MED/10	Notions of Diseases of Respiratory System	2
MED/11	Notions of Diseases of Cardiovascular System	2
MED/12	Notions of Diseases of Gastroenterology	2
MED/36	Diagnostic Imaging and Radiotherapy	6
MED/50	Medical Sciences and Techniques	6
MED/50		