



# Diploma Supplement

This Diploma Supplement follows the model developed by the European Commission, Council of Europe and UNESCO/CEPES. The purpose of the supplement is to provide sufficient independent data to improve the international "transparency" and fair academic and professional recognition of qualifications (diplomas, degrees, certificates, etc.). It is designed to provide a description of the nature, level, context, content and status of the studies that were pursued and successfully completed by the individual named on the original qualification to which this supplement is appended. It should be free from any value-judgements.

## 1. INFORMATION IDENTIFYING THE HOLDER OF THE QUALIFICATION:

1.1. Family name (s):

Esteves Oliveira

1.2. Given name (s):

Ana Rita

1.3. Date of birth (year / month / day):

08-04-1992

1.4. Student identification number or code (if available) and national identity card number:

Student number: 201000182

Number of identification document: 14193582

## 2. INFORMATION IDENTIFYING THE QUALIFICATION:

2.1. Name of qualification and (if applicable) title conferred (in original language):

Licenciatura em Radiologia / Degree in Radiology  
Licenciado / Graduated

2.2. Main field(s) of study for the qualification:

Radiology

2.3. Name and status of awarding institution (in original language):

Escola Superior de Tecnologia da Saúde de Coimbra – instituição de ensino superior público (public higher education institution)

2.4. Name and type of institution (if different from 2.3) administering studies (in original language):

2.5. Language(s) of instruction / examination:

Portuguese

## 3. INFORMATION ON THE LEVEL OF THE QUALIFICATION:

3.1. Level of qualification:

Polytechnic Higher Education - Degree - Level VI

3.2. Official length of programme:

6364 Hours / 8 Semester / 4 Academics years / 240 ECTS

3.3. Access requirement (s):

National Competition for Access to Higher Education

## 4. INFORMATION ON THE CONTENT AND RESULTS GAINED:

4.1. Mode of studies:

Working schedule  
Full-time





#### 4.2. Programme requirements:

The degree in Radiology will provide the student with the skills necessary to "carry out all tests in the area of medical diagnostic radiology, programming, implementation and evaluation of all radiological techniques involved in prevention and health promotion", Decree-Law No. 564/99 of 21 of December.

In this context, the student should acquire a set of competences that will enable him to put into practice the profession.

The profile of general competences to acquire assumes the current international and national references, including the proposals of the International Society of Radiographers and Radiological Technologists (ISRRT) of The Quality Assurance Agency for Higher Education (QAHE) and the Portuguese Association of Technical Radiology, Radiotherapy and Nuclear Medicine (ATARP).

The graduate in Radiology should be able to:

- make appropriate clinical decisions based on knowledge of anatomy, physiology, pathology and radiological science;
- evaluate the information conveyed in the referral to justify the conduct of examinations;
- plan and perform the complete radiologic examination covering all aspects of the care needs of patients/clients in the clinical context;
- assume responsibility for the protection against radiations of patients/clients and other health care professionals in the surrounding area;
- monitor the application of information technology, processing, storage, search and processing of radiological data;
- emit rigorous comments and feedback to help in the diagnosis of patients' pathologies;
- evaluate the resulting images of the radiological examinations respecting the expected clinical outcomes;
- capitalize on the opportunities for clinical education that may possibly arise during the normal course of his activity;
- monitor and evaluate the quality of the functioning of radiological equipment;
- demonstrate the exercise of a weighted practice in the presence of solid clinical and scientific knowledge and the understanding of the holistic needs of patients from different clinical and social contexts;
- understand the importance of professional regulation, the legal responsibilities and the ethical aspects of professional self-regulation;
- respect the need to preserve the integrity of the profession by not questioning the reputation of it;
- demonstrate integrity in public and private issues;
- establish and maintain professional working relationships with other staff or experts involved in treatment and care of patients/clients;
- identify and perform the most appropriate radiologic examination to the diagnosis of each patient;
- recognize and meet the physical, psychological and social needs of patients as they are made clear during the radiological examinations;
- recognize and properly inform other health professionals on pathological aspects, aberrant and abnormal on radiological images;
- maintain the competence through a professional development sustained on formation throughout life;
- recognize the value of research and other academic activities for the development of the profession;
- contribute to the planning and organization of services and radiology rooms;
- coordinate and participate in the elaboration of quality programs and quality control;
- identify and administer contrast media and drugs used in radiologic examination and act in the situations of emergency resuscitation, within applicable laws and regulations;
- understand the legislative, political, ethical and research frameworks that support, inform and influence the professional practice;
- understand the philosophy behind the development of the profession and professional practice;
- understand the developments and current trends of radiological science and practice.

Scientific area	ECTS
Radiological Sciences	169
Biological Sciences	26
Exact Sciences	22
Social and Humanities Sciences	8
Medical Sciences	6
Laboratory Sciences and Clinical Analysis	4
Pharmacy	3
Engineering	2



4.3. Programme details (e.g. modules or units studied) and the individual grades / marks / credits obtained (if this information is available on an official transcript this should be used here):

Course	Period	Academic year	Grade	Grade in detail	ECTS	EGS
Mathematics	1 <sup>o</sup> semester	2010-11	16	sixteen	4	B
Introduction to Radiology	1 <sup>o</sup> semester	2010-11	14	fourteen	3	D
Health Care in Radiology	1 <sup>o</sup> semester	2010-11	15	fifteen	3	C
Psyco-sociology	1 <sup>o</sup> semester	2010-11	13	thirteen	2	C
Descriptive and Topographic Anatomy I	1 <sup>o</sup> semester	2010-11	11	eleven	7	C
Cytology and Histology	1 <sup>o</sup> semester	2010-11	13	thirteen	4	C
Equipment and Instrumentation in Radiology	1 <sup>o</sup> semester	2010-11	16	sixteen	3	B
Atomic and Nuclear Physics	1 <sup>o</sup> semester	2010-11	10	ten	4	D
Descriptive and Topographic Anatomy II	2 <sup>o</sup> semester	2010-11	12	twelve	7	C
Health Psychology	2 <sup>o</sup> semester	2010-11	14	fourteen	3	C
Physiology I	2 <sup>o</sup> semester	2010-11	16	sixteen	4	B
Statistics	2 <sup>o</sup> semester	2010-11	15	fifteen	3	B
General Biochemistry	2 <sup>o</sup> semester	2010-11	11	eleven	4	C
Biophysics	2 <sup>o</sup> semester	2010-11	14	fourteen	4	C
Bioethics and Deontology	2 <sup>o</sup> semester	2010-11	15	fifteen	3	B
Professional Integration	2 <sup>o</sup> semester	2010-11	15	fifteen	2	C
Pathology I	1 <sup>o</sup> semester	2011-12	10	ten	3	D
Radiological Methods and Techniques I	1 <sup>o</sup> semester	2011-12	14	fourteen	6	B
Physiology II	1 <sup>o</sup> semester	2011-12	14	fourteen	4	C
Radiation Physics	1 <sup>o</sup> semester	2011-12	12	twelve	4	C
Pharmacotherapy	1 <sup>o</sup> semester	2011-12	12	twelve	3	D
Radiological Anatomy I	1 <sup>o</sup> semester	2011-12	15	fifteen	6	B
Clinical Practice I	1 <sup>o</sup> semester	2011-12	16	sixteen	4	B
Pathology II	2 <sup>o</sup> semester	2011-12	14	fourteen	3	B
Radiological Methods and Techniques II	2 <sup>o</sup> semester	2011-12	14	fourteen	6	B
Radiological Anatomy II	2 <sup>o</sup> semester	2011-12	14	fourteen	6	C
Clinical Practice II	2 <sup>o</sup> semester	2011-12	15	fifteen	4	C
Imaging Processing and Quality Control	2 <sup>o</sup> semester	2011-12	14	fourteen	4	C
Radiological Protection	2 <sup>o</sup> semester	2011-12	11	eleven	4	D
Research Methodologies	2 <sup>o</sup> semester	2011-12	17	seventeen	3	B
Musculoskeletal Radiology	1 <sup>o</sup> semester	2012-13	14	fourteen	6	C
Neuroradiology	1 <sup>o</sup> semester	2012-13	13	thirteen	6	D
Ultrasound I	1 <sup>o</sup> semester	2012-13	13	thirteen	4	D
Pediatric Radiology	1 <sup>o</sup> semester	2012-13	12	twelve	5	D
Planning and Management in Radiology Services	1 <sup>o</sup> semester	2012-13	12	twelve	4	D
Information Systems in Radiology	1 <sup>o</sup> semester	2012-13	12	twelve	2	D
Radiology Semiotics I	1 <sup>o</sup> semester	2012-13	12	twelve	4	D
Clinical Placements in Radiology I	2 <sup>o</sup> semester	2012-13	19	nineteen	5	B
Ultrasound II	2 <sup>o</sup> semester	2012-13	14	fourteen	4	D
Radiology Research I	2 <sup>o</sup> semester	2012-13	15	fifteen	4	E
Abdominal and Pelvic Radiology	2 <sup>o</sup> semester	2012-13	14	fourteen	6	D
Radiology Semiotics II	2 <sup>o</sup> semester	2012-13	13	thirteen	4	D
Heart and Chest Radiology	2 <sup>o</sup> semester	2012-13	14	fourteen	6	C
Clinical Placements in Radiology II	Annual	2013-14	15	fifteen	55	D
Radiology Research II	Annual	2013-14	15	fifteen	5	D



4.4. Grading scheme and (if available) grade distribution:  
To obtain approval for each subject it is required a minimum grade of 10 points on a scale of 0 to 20. The final grade of the course is rounded and results of the weighted arithmetic average, by its respective weight in ECTS, of the grades obtained in each of the UC from the study plan. It is considered the distribution of final grades of the three most recent years.

EGS - European Grading Scale	Grades	%
A	[20 - 16]	10
B	[15]	25
C	[14]	30
D	[13]	25
E	[12 - 11]	10

4.5. Overall classification of the qualification (*in original language*):

Concluded with 14 (fourteen) and D in European Grading Scale (EGS)

## 5. INFORMATION ON THE FUNCTION OF THE QUALIFICATION:

5.1. Access to further study:

The graduate degree allows the application to postgraduate studies, as described in paragraph 8

5.2. Professional status (*if applicable*):

The completion of the degree's syllabus on Radiology entitles the admission to the profession of Radiology technician regulated by Decree-Law 320/99 of 11 of August. The professional card shall be required to the Ministry of Health through the CAHS (Central Administration of the Health System).

## 6. ADDITIONAL INFORMATION:

6.1. Additional information:

Additional information	From	To
Participated in the "Week of Applied Sciences in Health"	03-2011	04-2011
Participated in the "Week of Applied Sciences in Health"	03-2014	04-2014
Participated in the "Week of Applied Sciences in Health"	04-2012	04-2012
Participated in the "Week of Applied Sciences in Health"	04-2013	04-2013

6.2. Further information sources:

- <http://www.ipc.pt> - <http://www.estescoimbra.pt>

## 7. CERTIFICATION OF THE SUPPLEMENT:

Institution administering studies (*in original language*):

Escola Superior de Tecnologia da Saúde de Coimbra

7.1. Date:

05-03-2015

7.2. Signature:



7.3. Capacity:

Vice-Presidente da Escola Superior de Tecnologia da Saúde de Coimbra

7.4. Official stamp or seal