

**At Bruxelles Woluwe - 300 credits - 5 years - Day schedule - In French**Dissertation/Graduation Project : **YES** - Internship : **YES**Activities in English: **NO** - Activities in other languages : **NO**Activities on other sites : **NO**Main study domain : **Sciences médicales**Organized by: **Faculty of Medicine and Dentistry (MEDE)**Programme acronym: **RDTH2MC** - Francophone Certification Framework: 7**Table of contents**

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## RDTH2MC - Introduction

### Introduction

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## RDTH2MC - Teaching profile

### Learning outcomes

This complementary master's programme aims to prepare doctors to become officially recognised holders of the particular professional title of specialist Doctor in radiotherapeutic-oncology (Ministerial decree of 08.12.1980 published on 03.03.1980, modified by the ministerial decrees of 24.07.1990 and 11.04.1999).

### Programme structure

The training course comprises full time apprenticeships in recognised services and teaching centres. It lasts for at least five years, full-time, including at least two years of foundation studies and at least three years of higher studies. The apprenticeship project established by the university stage coordinator must be approved by the ministerial validation committee for the speciality. These periods of practical training include being on call

## RDTH2MC Programme

### Detailed programme by subject

#### CORE COURSES [300.0]

- Mandatory
- ✘ Optional
- △ Not offered in 2023-2024
- ⊙ Not offered in 2023-2024 but offered the following year
- ⊕ Offered in 2023-2024 but not the following year
- △ ⊕ Not offered in 2023-2024 or the following year
- Activity with requisites
- 🌐 Open to incoming exchange students
- 🌐 Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year

1 2 3 4 5

#### o Premier bloc annuel (Formation universitaire spécifique - FUS) (60 credits)

##### o Compléments de radiothérapie-oncologie, 1re partie (13 credits)

● WRDTH2331	<a href="#">Radiobiology</a>	Xavier Geets (coord.) Eléonore Longton	EN [q2] [23.5h] [4 Credits] 🌐	X				
● WRPR2001	<a href="#">Notions de base de radioprotection</a>	Pascal Carlier Michaël Dupont François Jamar (coord.) Renaud Lhomme	FR [q1] [10h+5h] [2 Credits] 🌐	X				
● WRPR2002	<a href="#">Compléments de radioprotection</a>	Dana Ioana Dumitriu Michaël Dupont Olivier Gheysens François Jamar (coord.)	FR [q2] [20h+10h] [3 Credits] 🌐	X				

				Year				
				1	2	3	4	5
○ WRPR3010	Questions spéciales de radioprotection	Nathalie De Patoul Dana Ioana Dumitriu Damien Dumont Michaël Dupont Olivier Gheysens François Jamar (coord.) Renaud Lhomme Sébastien Lichtherte Edmond Sterpin Aude Vaandering	FR [q2] [40h] [4 Credits] 🌐	X				

**○ Autres activités (47 crédits)**

○ WRDTH2311	Questions spéciales de radiothérapie-oncologie, 1re année (enseignement IU-ABRO- et séminaires cliniques multidisciplinaires)	Xavier Geets (coord.)	FR [q2] [84h] [10 Credits] 🌐	X				
○ WRDTH2381	Stages cliniques de radiothérapie-oncologie 1re année, 1re partie		FR [q1+q2] [] [21 Credits] 🌐	X				
○ WRDTH2391	Stages cliniques de radiothérapie-oncologie 1re année, 2e partie		FR [q3] [] [16 Credits] 🌐	X				

**○ Deuxième bloc annuel (Formation universitaire spécifique - FUS) (60 crédits)**

**○ Compléments de radiothérapie-oncologie, 2e partie (8 crédits)**

○ WRDTH3120	Fundamental of dosimetry	Edmond Sterpin	EN [q1] [20h] [3 Credits] 🌐		X			
○ WRDTH3160	Technology, Dosimetry and Treatment Planning in Radiotherapy	Edmond Sterpin (coord.)	EN [q1] [20h+60h] [5 Credits] 🌐		X			

**○ Autres activités (52 crédits)**

○ WRDTH2312	Questions spéciales de de radiothérapie-oncologie 2e année (enseignement IU -ABRO- et séminaires cliniques multidisciplinaires)	Xavier Geets (coord.)	FR [q2] [84h] [10 Credits] 🌐		X			
○ WRDTH2382	Stages cliniques de radiothérapie-oncologie 2e année, 1re partie		FR [q1+q2] [] [21 Credits] 🌐		X			
○ WRDTH2392	Stages cliniques de radiothérapie-oncologie 2e année, 2e partie		FR [q3] [] [21 Credits] 🌐		X			

**○ Troisième bloc annuel (60 crédits)**

○ WRDTH2313	Questions spéciales de radiothérapie-oncologie 3e année (enseignement U ou IU -ABRO- et séminaires cliniques multidisciplinaires)	Xavier Geets (coord.)	FR [q2] [84h] [12 Credits] 🌐			X		
○ WRDTH2383	Stages cliniques de radiothérapie-oncologie 3e année, 1re partie		FR [q2] [] [24 Credits] 🌐			X		
○ WRDTH2393	Stages cliniques de radiothérapie-oncologie 3e année, 2e partie		FR [q3] [] [24 Credits] 🌐			X		

**○ Quatrième bloc annuel (60 crédits)**

○ WRDTH2314	Questions spéciales de radiothérapie-oncologie 4e année (enseignement U ou IU -ABRO- et séminaires cliniques multidisciplinaires)	Xavier Geets (coord.)	FR [q2] [84h] [12 Credits] 🌐				X	
○ WRDTH2384	Stages cliniques de radiothérapie-oncologie 4e année, 1re partie		FR [q1+q2] [] [24 Credits] 🌐				X	
○ WRDTH2394	Stages cliniques de radiothérapie-oncologie 4e année, 2e partie		FR [q3] [] [24 Credits] 🌐				X	

**○ Cinquième bloc annuel (60 crédits)**

○ WRDTH2315	Questions spéciales de radiothérapie-oncologie 5e année (enseignement U ou IU -ABRO- et séminaires cliniques multidisciplinaires)	Xavier Geets (coord.)	FR [q2] [84h] [10 Credits] 🌐					X
○ WRDTH2385	Stages cliniques de radiothérapie-oncologie 5e année, 1re partie		FR [q1+q2] [] [25 Credits] 🌐					X
○ WRDTH2395	Stages cliniques de radiothérapie-oncologie 5e année, 2e partie		FR [q3] [] [10 Credits] 🌐					X
○ WRDTH2375	Mémoire de radiothérapie-oncologie		FR [q2] [] [15 Credits] 🌐					X



## The programme's courses and learning outcomes

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For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

## RDTH2MC - Information

### Access Requirements

*In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.*

*Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.*

*The admission requirements must be met prior to enrolment in the University.*

*Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.*

***In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.***

#### SUMMARY

- [General access requirements](#)

### General access requirements

Translated from [https://www.gallilex.cfwb.be/fr/leg\\_res\\_01.php?ncda=39681&referant=I02](https://www.gallilex.cfwb.be/fr/leg_res_01.php?ncda=39681&referant=I02)

Art. 112. of the "Décret définissant le paysage de l'enseignement supérieur et l'organisation académique des études" :

§ 1. In accordance with the general requirements established by the academic authorities, students who have:

1. a master's degree;
2. an academic degree similar to the one mentioned in the preceding paragraph awarded by a higher education institution in the Flemish Community or the German-speaking Community, or by the Royal Military Academy, by virtue of a decision of the academic authorities and in accordance with any additional requirements they may establish;
3. a foreign academic degree recognised as equivalent to those mentioned in paragraphs 1 and 2 pursuant to this decree, a European directive, an international convention or other legislation, in accordance with the same requirements.

The additional admission requirements referred to in paragraph 2 are intended to ensure that the student has acquired the knowledge and skills required for the studies in question. When the additional admission requirements consist of one or more additional course units, these may not represent more than 60 additional credits for the student, taking into account all the credits that he or she may otherwise use for admission. These course units are part of the student's study programme.

§ 2. In accordance with the general requirements established by the academic authorities, a student who holds a title, diploma, degree or certificate of higher education, in the French Community or outside it, which does not grant him or her eligibility for admission to a specialised master's course by virtue of the preceding paragraph, may nevertheless be admitted by the jury of the course in question, in accordance with the additional requirements that it establishes, if the totality of the higher education that he or she has completed or the expertise that he or she has acquired is valued by the jury to be at least 240 credits.

§ 3. By way of derogation from these general requirements, the academic authorities may also admit to a specialised master's course holders of a title, diploma, degree or certificate awarded outside the French Community which, in that system of origin, grants direct eligibility for postgraduate studies, even if the studies sanctioned by these credentials are not organised into distinct degree courses or within a time period of at least five years.

## Specific professional rules

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These studies lead to a professional title subject to specific rules or restrictions on professional accreditation or establishment.

You will find the necessary legal information by [clicking here](#).

## Evaluation

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***The evaluation methods comply with the regulations concerning studies and exams (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".***

### First part

An evaluation of knowledge on the "basis" subjects is carried out at the end of the second year. Further to the application of the Royal Decree of 16 March, 1999, at the end of his first two years of training, the candidate will receive an attestation proving that he has successfully accomplished a specific university training course.

### Second part

An evaluation of knowledge on the "clinical" subjects corresponding to the higher studies is carried out at the end of the fifth year. By way of reminder, an evaluation of knowledge is carried out on a national level at the end of the fourth year. This aims to test the "clinical" topics corresponding to the studies of the second part of the training course. A dissertation (level of undergraduate, or a publication judged to be equivalent) is required. This will then be defended in public.

Besides this, an attestation of competence in radio-protection and in the basic disciplines (physics of ionizing rays, dosimetry, radiobiology) issued by the University is compulsory to obtain the ministerial recognition allowing the use of ionizing rays in radiotherapy. Upon fulfilment of the above-described training requirements, the teaching committee will award the academic title in radiotherapy-oncology.

This title does not replace official recognition by the ministerial validation committee. It attests to the successful completion of an academic and scientific study programme in the context of specialised training leading to this validation. A Ph.D in medical sciences, orientation : radiotherapy-oncology may be undertaken by the candidates who have obtained more than a 70% score in the exams and who have presented their undergraduate dissertation. This Ph.D (clinical orientation) must be of the standard level required for a Ph.D in terms of its originality and volume of data contained.

## Contacts

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### Curriculum Management

#### Faculty

Structure entity	SSS/MEDE
Denomination	Faculty of Medicine and Dentistry ( <a href="#">MEDE</a> )
Sector	Health Sciences ( <a href="#">SSS</a> )
Acronym	MEDE
Postal address	Avenue Mounier 50 - bte B1.50.04 1200 Woluwe-Saint-Lambert Tel: <a href="tel:+3227645020">+32 (0)2 764 50 20</a> - Fax: <a href="tel:+3227645035">+32 (0)2 764 50 35</a>

#### Mandate(s)

- Dean : Nicolas Tajeddine

#### Commission(s) of programme

- Commission des masters de spécialisation et certificats en médecine ([MSCM](#))

Academic supervisor: Xavier Geets

#### Jury

- Xavier Geets
- Dario Di Perri

