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**A single year**

**Compulsory courses**

**Theory courses (30 ECTS)**

MCER0206-1	<i>Physical basis of medical radiology, including radiation dosimetry -</i> Françoise MALCHAIR	30	20	-	<b>11</b>
MCER0007-2	<i>Cellular and human radiobiology : histopathology and biochemistry -</i> Chantal HUMBLET, Philippe MARTINIVE	10	5	-	<b>2</b>
MTRA2020-1	<i>Radioprotection : radioprotection specific to reactors -</i> Pierre DOUMONT	10	5	-	<b>2</b>
MTRA2021-1	<i>Radioprotection : techniques and legislations -</i> Véra PIRLET	25	5	-	<b>5</b>
MCER0210-1	<i>Using radioactive/ionising substances : medical applications</i>				<b>2</b>
	- <i>Nuclear medicine -</i> Roland HUSTINX	6	-	-	
	- <i>Radiotherapy -</i> Philippe COUCKE	6	-	-	
	- <i>Interventional cardiology -</i> Victor LEGRAND	4	-	-	
	- <i>Dentistry -</i> Alain VANHEUSDEN	2	-	-	
MCER0211-1	<i>The use of radioactive/ionising substances: industrial applications</i>				<b>5</b>
	- <i>Production, use, management and control of radio-elements -</i> André LUXEN	15	-	-	
	- <i>Aspects of radio-protection connected to the management of radioactive waste -</i> Véra PIRLET	5	-	-	
	- <i>Environmental problems related to industrial and medical waste -</i> Christian VANDECASTEELE	8	-	-	
MCER0212-1	<i>Diagnostic and therapeutic aspects relating to the risks of contamination and irradiation -</i> Cécile SURLEREAUX	10	-	-	<b>1</b>
MCER0213-1	<i>Radiotoxicology -</i> Cécile SURLEREAUX	5	-	-	<b>1</b>
MCER0214-1	<i>Radiochemistry -</i> André LUXEN	8	-	-	<b>1</b>

**Training (15 ECTS)**

MSTG9037-1	<i>Internship in an occupational health department with an approved doctor -</i> COLLÉGIALITÉ - [15d Internship]	-	-	[+]	<b>10</b>
MSTG9038-1	<i>Internship in a department or organisation conducting physical radiation controls -</i> COLLÉGIALITÉ - [5d Internship]	-	-	[+]	<b>5</b>