

### Information

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Medical Imaging Service

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### Presentation

The diploma includes two parts: basic 2-year training, relating to exploration techniques, the physical foundations, radiation dosimetry, radiobiological effects, radioanatomy, radioprotection, computer elements in medicine and reanimation elements in the face of a reaction to contrast media. The following 3 years are dedicated to the specific teaching of diagnosis in all medical specialities using different sources of imagery, including magnetic resonance imagery and its various applications, and interventional radiology. The course includes theory, multidisciplinary radioclinical staff, personal work and practical demonstrations in laboratories.

The theoretical classes and seminars are organised according to the regulations in force and include joint interuniversity courses.

### Duration

\* Five years of study: two years of basic training (FUS) and three years of specialised training.

### Collegiality

Coordinator : N...

Jean-François BRICHANT, Philippe DELVENNE, Philippe COUCKE, Roland HUSTINX, Véra PIRLET, Françoise MALCHAIR.

## First Year

### Compulsory courses

RADI2008-1	<i>Theory courses</i>				<b>35</b>
	- <i>Les bases physiques de la radiologie médicale, y compris la dosimétrie des radiations, 1st year</i> - Françoise MALCHAIR	45	30	-	
	- <i>Radiobiologie cellulaire et humaine : histopathologie, 1st year</i> - Philippe DELVENNE	25	15	-	
	- <i>Radiobiologie cellulaire et humaine : biochimie, 1st year</i> - Philippe DELVENNE	25	15	-	
	- <i>Démonstrations anatomo-cliniques, 1st year</i> - Philippe DELVENNE	150	-	-	
	- <i>Radioprotection : problèmes d'hygiène</i> - Roland HUSTINX	15	-	-	
	- <i>Techniques de radioprotection, 1st year</i> - Véra PIRLET	15	-	-	
	- <i>Législation, 1st year</i> - N...	10	-	-	
	- <i>Éléments d'informatique médicale, 1st year</i> - N...	5	-	-	
	- <i>Techniques d'imagerie médicale y compris radioprotection, 1st year</i> - N...	150	-	-	
	- <i>Éléments de réanimation devant une réaction aux produits de contraste, 1st year</i> - Jean-François BRICHANT	6	3	-	
MSTG2008-1	<i>Placements, including seminars, 1st year</i> - COLLÉGIALITÉ - [11half-d Internship]	-	-	[+]	<b>25</b>

## Second year

### Compulsory courses

RADI2008-2	<i>Theory courses</i>				<b>35</b>
	- <i>Les bases physiques de la radiologie médicale, y compris la dosimétrie des radiations, 2nd year</i> - Françoise MALCHAIR	45	30	-	
	- <i>Radiobiologie cellulaire et humaine : histopathologie, 2nd year</i> - Philippe DELVENNE	25	15	-	
	- <i>Radiobiologie cellulaire et humaine : biochimie, 2nd year</i> - Philippe DELVENNE	25	15	-	
	- <i>Démonstrations anatomo-cliniques, 2nd year</i> - Philippe DELVENNE	150	-	-	
	- <i>Radioprotection : problèmes d'hygiène, 2nd year</i> - Roland HUSTINX	15	-	-	
	- <i>Techniques de radioprotection, 2nd year</i> - Véra PIRLET	15	-	-	
	- <i>Législation, 2nd year</i> - N...	10	-	-	
	- <i>Éléments d'informatique médicale, 2nd year</i> - N...	5	-	-	
	- <i>Techniques d'imagerie médicale y compris radioprotection, 2nd year</i> - N...	150	-	-	
	- <i>Éléments de réanimation devant une réaction aux produits de contraste, 2nd year</i> - Jean-François BRICHANT	6	3	-	
MSTG2008-2	<i>Placements, including seminars, 2nd year</i> - COLLÉGIALITÉ - [11half-d Internship]	-	-	[+]	<b>25</b>

## Third year

**Compulsory courses**

RADI2008-3	<i>Theory courses</i>				<b>22</b>
	- <i>Démonstrations anatomo-cliniques, 3rd year</i> - Philippe DELVENNE	150	-	-	
	- <i>Techniques d'imagerie médicale y compris radioprotection, 3rd year</i> - N...	150	-	-	
	- <i>Eléments de réanimation devant une réaction aux produits de contraste, 3rd year</i> - Jean-François BRICHANT	6	3	-	
MSTG2008-3	<i>Placements, including seminars, 3rd year</i> - COLLÉGIALITÉ - [11half-d Internship]	-	-	-	[+] <b>38</b>

**Fourth year**

**Compulsory courses**

RADI2008-4	<i>Theory courses</i>				<b>22</b>
	- <i>Démonstrations anatomo-cliniques, 4th year</i> - Philippe DELVENNE	150	-	-	
	- <i>Techniques d'imagerie médicale y compris radioprotection, 4th year</i> - N...	150	-	-	
	- <i>Eléments de réanimation devant une réaction aux produits de contraste, 4th year</i> - Jean-François BRICHANT	6	3	-	
MSTG2008-4	<i>Placements, including seminars, 4th year</i> - COLLÉGIALITÉ - [11half-d Internship]	-	-	-	[+] <b>38</b>

**Fifth year**

**Compulsory courses**

RADI2008-5	<i>Theory courses</i>				<b>15</b>
	- <i>Démonstrations anatomo-cliniques, 5th year</i> - Philippe DELVENNE	150	-	-	
	- <i>Techniques d'imagerie médicale y compris radioprotection, 5th year</i> - N...	150	-	-	
	- <i>Eléments de réanimation devant une réaction aux produits de contraste, 5e année</i> - Jean-François BRICHANT	6	3	-	
MTFE2017-1	<i>Final work</i> - COLLÉGIALITÉ	-	-	-	<b>15</b>
MSTG2008-5	<i>Placements, including seminars, 5th year</i> - COLLÉGIALITÉ - [11half-d Internship]	-	-	-	[+] <b>30</b>