



Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits	25.0 h + 5.0 h	Q2
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Teacher(s)	Coche Emmanuel ;Jamar François ;Lhommel Renaud ;Michoux Nicolas (coordinator) ;Vande Berg Bruno ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	Content: this annual course focuses on the techniques and use of different imaging methods in Radiology and Nuclear Medicine. Method: virtual course based on the book "Guide to Medical Imaging and Radiotherapy Technologies (Ed. Masson, JP Dillenseger, E. Moerschel)" and supplemented by documents available on the website http://uclimaging.be/ecampus/option_01.htm (RDGN3120).
Aims	<p>1 To offer to students in radiology the specialized knowledge about the methods of medical imaging. The technology and the cost-effectiveness of each radiological method will be underscored.</p> <p>-----</p> <p><i>The contribution of this Teaching Unit to the development and command of the skills and learning outcomes of the programme(s) can be accessed at the end of this sheet, in the section entitled "Programmes/courses offering this Teaching Unit".</i></p>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Physicists : critical analysis of a scientific paper + MCQ test</p> <p>Physicians : MCQ test</p> <p>The exam takes place in June and 2nd session in September.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Courses can be downloaded at : http://uclimaging.be/ecampus/option_01.htm</p>
Content	<p>- Technology and practical use of conventional Xrays (including numeric radiology), sonography, computed tomography, magnetic resonance imaging and nuclear medicine (including positron emission tomography). - Characteristics of contrast agents - Accidents related to radiological procedures - Quality control in medical imaging - Information technology - Relations with patients and staff</p>
Inline resources	http://uclimaging.be/ecampus/option_01.htm
Bibliography	Guide des technologies de l'imagerie médicale et de la Radiothérapie (Ed. Masson, JP Dillenseger, E. Moerschel)
Other infos	Examination consisting in multiple choice questions
Faculty or entity in charge	MED

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Certificat de compétence pour l'utilisation des rayons X en diagnostic médical	RXU2CE	3		
Certificat universitaire en physique d'hôpital	RPHY9CE	3		
Master [120] in Physics	PHYS2M	3		