




3.00 credits

25.0 h + 5.0 h

Q2

Teacher(s)	Coche Emmanuel ;Jamar François ;Lhommel Renaud ;Michoux Nicolas (coordinator) ;Pasoglou Vassiliki ;
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).
Learning outcomes	At the end of this learning unit, the student is able to : 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.
Evaluation methods	Physicists : critical analysis of a scientific paper + MCQ test Physicians : MCQ test The exam takes place in June and 2nd session in September.
Teaching methods	Courses can be downloaded at : http://uclimaging.be/ecampus/option_01.htm
Content	- 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
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	Learning outcomes
Certificat de compétence pour l'utilisation des rayons X en diagnostic médical	RXU2CE	3		
Advanced Master in Nuclear Medicine	MNUC2MC	2		
Certificat universitaire en physique d'hôpital	RPHY9CE	3		
Master [120] in Physics	PHYS2M	3		