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3 credits	20.0 h + 10.0 h	Q2
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Teacher(s)	Clapuyt Philippe ;Dupont Michaël ;Jamar François (coordinator) ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	Elaboration process of norms in radioprotection : actors, the role of the expert, ethical and epistemological aspects. Hereditary effects of radiation : advanced discussion. Irradiation accidents : consequences, including Chernobyl aftermaths. Long-term deterministic effects : presentation and discussion, including recent data from Hiroshima and Nagasaki. The Belgian law: detailed presentation. Emergency actions in case of accidents (including bone marrow transplantation). Radiation carcinogenesis : advanced discussion. Operational radioprotection : sealed and unsealed sources, contamination, elements of effective and committed dose, their computation and the derived action levels ; In-utero irradiation and its consequences. Radon exposure : health issues and approach in radioprotection.
Aims	<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>
Faculty or entity in charge	CRPR

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Certificat universitaire de contrôle physique en radioprotection (Classe II)	RCPB9CE	3		
Certificat universitaire en radioprotection pour les médecins du travail	RMDT9CE	3		
Certificat universitaire en radiopharmacie	RFAR9CE	3		
Advanced Master in Nuclear Medicine	MNUC2MC	3		
Certificat de compétence pour l'utilisation des rayons X en diagnostic médical	RXU2CE	3		
Advanced Master in Radiotherapy-Oncology	RDTH2MC	3		
Certificat universitaire de contrôle physique en radioprotection (Classe I)	RCPA9CE	3		
Certificat universitaire en physique d'hôpital	RPHY9CE	3		
Master [120] in Physics	PHYS2M	3		