UCLouvain

wrpr2002

2024

Compléments de radioprotection

3.00 credits	20.0 h + 10.0 h	Q2

Teacher(s)	Dumitriu Dana Ioana ;Gheysens Olivier ;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.
Learning outcomes	
Faculty or entity in charge	CRPR

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 Radiotherapy-Oncology	RDTH2MC	3		
Advanced Master in Nuclear Medicine	MNUC2MC	3		
Certificat universitaire en physique d'hôpital	RPHY9CE	3		
Master [120] in Physics	PHYS2M	3		
Certificat universitaire en radioprotection pour les médecins du travail	RMDT9CE	3		
Certificat universitaire en radiopharmacie	RFAR9CE	3		
Master [120] in Medical Physics	PHMD2M	3		