










2.00 credits

10.0 h + 5.0 h

Q1

Teacher(s)	Carlier Pascal ;Dupont Michaël ;Jamar François (coordinator) ;Lhommel Renaud ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	1. Sizes and Units - Biological mechanisms of the action of the ionizing radiations 2. Acute effects of an accidental irradiation 3. Radio-induced cancers 4. Hereditary radiation effects 5. Effects of the in utero irradiation 6. Legislation : basic standards: principles of operational protection against radiation 7. Practical operations: use of detectors in situation of routine; dosimetry of the workers: visits of the installations of physical control
Learning outcomes	
Faculty or entity in charge	CRPR

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Certificat universitaire de contrôle physique en radioprotection (Classe I)	RCPA9CE	2		
Master [120] in Biomedical Engineering	GBIO2M	2		
Certificat universitaire de contrôle physique en radioprotection (Classe II)	RCPB9CE	2		
Advanced Master in Radiotherapy-Oncology	RDTH2MC	2		
Advanced Master in Nuclear Medicine	MNUC2MC	2		
Certificat universitaire en physique d'hôpital	RPHY9CE	2		
Advanced Master in Occupational Medicine	MDTR2MC	2		
Certificat universitaire en radioprotection pour les médecins du travail	RMDT9CE	2		
Certificat universitaire en radiopharmacie	RFAR9CE	2		
Master [120] in Physics [professional focus of Medical Physics : UCLouvain-KULeuven]	PHYS2M	2		