





In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

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
Advanced Master in Nuclear Medicine	MNUC2MC	3		
Certificat universitaire en physique d'hôpital	RPHY9CE	3		
Certificat universitaire en radiopharmacie	RFAR9CE	3		
Advanced Master in Radiotherapy-Oncology	RDTH2MC	3		
Master [120] in Physics	PHYS2M	3		