UCL Université catholique de Louvain

WRPR2002

2015-2016

Compléments de radioprotection

3.0 credits	20.0 h + 10.0 h

Teacher(s) :	Clapuyt Philippe ; Jamar François ; Scalliet Pierre (coordinator) ; Smeesters Patrick ;
Language :	Français
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 :	*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".*
Faculty or entity in charge:	CRPR

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Credits	Prerequis	Acquis d'apprentissage
Master [120] in Physics	PHYS2M	3	-	
	RCPA9CE	3	-	
	RCPB9CE	3	-	
	RPHY9CE	3	-	
	RFAR9CE	3	-	
	RMDT9CE	3	-	
	RXU2CE	3	-	