

**Block view of the study programme**

Or Th Pr Au Cr

**Block 1**

**Compulsory courses**

MCER0245-1	<i>Basis of radiotherapy</i> - Philippe COUCKE	25	-	-	<b>4</b>
	- Basics of medical physics (including dose distributions)				
	- Basics of Biology of cancer				
	- Basics of cancers				
	- Conduct a simulation				
	- Simulation run				
	- Course of treatment				
	- Equipment and simple treatment techniques (simulator, low energy, linear accelerator, cobalt therapy, brachytherapy)				
	- Quality and safety management in oncology (including ISO and EFQM approaches)				
	- Interest of dosimetry in vivo				
	- Techniques of complex treatments : IMRT, VMAT, stereotactic				
MCER0246-1	<i>Pathology</i> - Pascal PIRET	20	-	-	<b>3</b>
	- Detailed description of the treatment of cancer diseases by location (gastrointestinal, breast, lung, brain, urogenital, gynecological, ENT, blood) including complex radiotherapy treatments				

**Optional courses**

**Choose one option from the following :**

**Option "DOSIMETRY"**

MCER0247-1	<i>Dosimetrists</i> - Véronique BAART	20	-	-	<b>3</b>
	- Information for achieving dosimetries				
	- Practical module on the use of IT tools				
	- Introduction to the dosimetry of complex treatment				

**Option "NURSING IN RADIO THERAPY"**

MCER0248-1	<i>Technologists</i> - Nathalie FRENAY	15	-	-	<b>3</b>
	- Information allowing optimal management of patients in simulation and treatment				
	- Practical module on the use of computer interfaces (imaging, treatment, in vivo dosimetry, quality control, ...)				