Cycle view of the study programme

		Bl	Or	Th	Pr	Au	Cr

Compulsory courses (B1 : 7Cr)

MCER0245-1 *Basis of radiotherapy* - Philippe COUCKE — B1 — 25 - - **4**

- Basics of medical physics (including dose districbutions)
- Basics of Biology of cancer
- Basics of cancers
- Conduct a simulation
- Simulation run
- Course of treatment
- Equipment and simples treatment techniques (simulator, low energy, liear 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 *Pathology* - Pascal PIRET — B1 — 20 - - **3**

- Detailed description of the treatment of cancer diseases by location (gastrointestinal, breast, lung, brain, urogenital, gynecological, ENT, blood) including complex radiotherapy treatments

Optional courses (B1 : 3Cr)

Choose one option from the following : (B1 : 3Cr)

Option "DOSIMETRY" (B1 : 3Cr)

MCER0247-1 *Dosimetrists* - Véronique BAART — B1 — 20 - - **3**

- Information for achieving dosimetries
- Practical module on the use of IT tools
- Introduction to the dosimetry of complex treatment

Option "NURSING IN RADIOTHERAPY" (B1 : 3Cr)

MCER0248-1 *Technologists* - Nathalie FRENAY — B1 — 15 - - **3**

- 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, ...)