

Radiation dosimetry

Lecturer

Nicolas PAULY (Coordinator)

Course mnemonic

PHYS-H500

ECTS credits

4 credits

Language(s) of instruction

English

Course period

First term

References, bibliography and recommended reading

F.H. Attix, Introduction to Radiological Physics and Radiation Dosimetry, Wiley, 2004

Other information

Contact(s)

Nicolas Pauly (nipauly@ulb.ac.be)

Evaluation method(s)

Other

Evaluation method(s) (additional information)

Written examination + Laboratory reports

Determination of the mark (including the weighting of partial marks)

Written examination: 75% of the final note (including 50% for the theory and 25% for the exercises); Laboratory reports: 25% of the final note

Main language(s) of evaluation

English

Programmes

Programmes proposing this course at the Brussels School of Engineering

MA-IRPH | Master of science in Physical Engineering | finalité Professional/unit 2

Course content

Calculation of doses and shieldings. Analysis of measurement devices and interpretation of the results.

Objectives (and/or specific learning outcomes)

Determination and measurement of doses due to ionizing radiations

Teaching method and learning activities

Lecture + exercices + laboratory sessions

Contribution to the teaching profile

Understanding of dose notions