

# Radiation dosimetry

## Lecturer

Nicolas PAULY (Coordinator)

## Course mnemonic

PHYS-H500

## ECTS credits

4 credits

## Language(s) of instruction

English

## Course period

First term

## 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

## 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 exercices); 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