



Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

|           |                 |    |
|-----------|-----------------|----|
| 5 credits | 30.0 h + 21.0 h | Q2 |
|-----------|-----------------|----|

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|-----------------------------|---|
| Teacher(s)                  | Herquet Michel (compensates Maltoni Fabio) ;Maltoni Fabio ;   |
| Language :                  | French  |
| Place of the course         | Bruxelles Woluwe  |
| Main themes                 | Physics is considered as an experimental science based on the precise observation of reality, on the collection of pertinent data and on assumptions to be validated. This part of the course deals with electricity, magnetism, optics and radiation physics.  |
| Aims                        | <p>As in its first part (MD1102), the objective of this course is education and training. On one hand, the aim is to instil in the students a right method of approaching scientific matters and on the other hand, to provide them with all the elements necessary to a good understanding of the technical world they will be confronted with in a next future. According to the course of study, priority is given to applications dealing with life sciences.</p> <p>1</p> <p>-----</p> <p><i>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".</i></p> |
| Content                     | Content - Electrostatics - Electrodynamics - Electromagnetism - Optics : Light and colours, reflection, refraction, diffraction, polarisation, vision - Radiation physics, including radioactivity and mechanical waves Methods - Lectures with audiovisual aid - Tutorials - Labs and problems in small groups - Softwares and iCampus forums  |
| Other infos                 | Prerequisite - Elements of calculus and mechanics Evaluation - During the term, continuous assessment - At the end of the term, written and oral examination + lab exam. Support - Written course and applications book - Illustrations et complements via iCampus - Tutorials via iCampus  |
| Faculty or entity in charge | FASB  |

| Programmes containing this learning unit (UE) |                         |         |              |   |
|---|-------------------------|---------|--------------|---|
| Program title                                 | Acronym                 | Credits | Prerequisite | Aims  |
| Bachelor in Pharmacy                          | <a href="#">FARM1BA</a> | 5       |              |  |
| Bachelor in Biomedicine                       | <a href="#">SBIM1BA</a> | 5       |              |  |