

7.0 credits	40.0 h + 23.5 h	2q
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Teacher(s) :	Piraux Bernard (coordinator) ; Lemaitre Vincent ;
Language :	Français
Place of the course	Bruxelles Woluwe
Main themes :	The course gives elements of electricity, magnetism and optics.
Aims :	<p>Physics is considered as an experimental science based on the precise observation of reality and the collection of data whose interpretation is based on assumptions to be confirmed experimentally. The objective of this course is twofold. On the one hand, to instil into the students a good scientific approach and reasoning and on the other hand, to give to the students the elements necessary for a good understanding of the scientific matters the student will be confronted with later on. The course refers to many applications in medicine and biology</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 :	<p>Electricity</p> <ul style="list-style-type: none"> <li>-electrostatic</li> <li>-electric currents</li> <li>-magnetism</li> <li>-electromagnetic induction</li> <li>-alternative currents</li> </ul> <p>Optics</p> <ul style="list-style-type: none"> <li>-law of reflection</li> <li>-law of refraction</li> <li>-optical instruments</li> </ul>
Other infos :	<p>Prerequisite : Notions of calculus (the students are assumed to know about derivation and integration).</p> <p>Evaluation : written exam.</p> <p>Support : syllabus, slides, software, lcampus, tutorials (labs and problems to group of 20 students).</p>
Cycle and year of study :	<a href="#">&gt; Bachelor in Medecine</a>
Faculty or entity in charge:	MED