

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

5 credits

0 h + 30.0 h

Q1 and Q2

Teacher(s)	Crucifix Michel ;Drewes Marco ;Piotrkowski Krzysztof ;Urbain Xavier ;
Language :	English
Place of the course	Louvain-la-Neuve
Main themes	The student is asked to attend three series of physics seminars : (1) seminars on subjects of general interest or hot topics in physics, (2) in-depth seminars on research topics related directly or indirectly to the student's Master's thesis and (3) seminars given by former physics students on their experience of professional integration.
Aims	<p>a. Contribution of the teaching unit to the learning outcomes of the programme (PHYS2M) 3.1, 3.2, 3.3 4.1, 4.2 5.1, 5.2, 5.3 7.2, 7.3, 7.4, 7.5, 7.6 8.1</p> <p>1 b. Specific learning outcomes of the teaching unit At the end of this teaching unit, the student will be able to :</p> <ol style="list-style-type: none"> 1. report on recent advances in physics research ; 2. structure an oral physics presentation showing the key elements of the subject ; 3. convince an audience composed of scientists of the relevance of a result in physics ; 4. take a step back on his/her training in physics ; 5. anticipate the problems of employability at the end of his/her studies. <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>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>The student is required to attend all seminars corresponding to points (1) and (3) mentioned in the section "aims" above and to a minimum of six seminars corresponding to point (2), to be chosen from a list. At the end of the year, he/she is asked to present orally (in about fifteen minutes, preferably in English) in front of the holders of the teaching unit a scientific article of physics that he will have chosen in consultation with them. This article cannot, in any case, appear in the bibliographical list of the student's Master's thesis. The presentation of the article will be followed by some questions asked to the student by the holders of the teaching unit.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Seminars</p>
Content	The content of the seminars changes from year to year depending on the speakers. The detailed programme is fixed at the beginning of each semester.
Faculty or entity in charge	PHYS

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Physics	PHYS2M	5		