

5.00 credits

0 h + 30.0 h

Q1 and Q2

Teacher(s)	Crucifix Michel ;Drewes Marco ;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.
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p><b>a. Contribution of the teaching unit to the learning outcomes of the programme (PHYS2M)</b>                      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><b>1 b. Specific learning outcomes of the teaching unit</b>                      At the end of this teaching unit, the student will be able to :</p> <ol style="list-style-type: none"> <li>1. report on recent advances in physics research ;</li> <li>2. structure an oral physics presentation showing the key elements of the subject ;</li> <li>3. convince an audience composed of scientists of the relevance of a result in physics ;</li> <li>4. take a step back on his/her training in physics ;</li> <li>5. anticipate the problems of employability at the end of his/her studies.</li> </ol>
Evaluation methods	<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 five seminars corresponding to point (2). S.he keeps a list of all attended seminars.</p> <p>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. The presentation of the article will be followed by some questions asked to the student by the holders of the teaching unit.</p> <p>It is mae clear that this not a seminar, but a "paper presentation", where the introductory/"background" part is quite essential. The evaluation weights are as follows:                      1/4 for the seminar participation; 1/4 for the "technical" aspects, ie. proper slides, timely delivery etc; 1/4 for the "pedagogical" aspects of presentation; 1/4 for the scientific content, answers to questions etc.</p>
Teaching methods	Seminars and oral presentation
Content	The content of the seminars changes from year to year depending on the speakers. The detailed programme is fixed and communicated to the students via Moodle.
Faculty or entity in charge	PHYS

**Programmes containing this learning unit (UE)**

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