


5.00 credits

0 h + 30.0 h

Q1 and Q2

|                             |  |
|-----------------------------|--|
| Teacher(s)                  | Crucifix Michel ;de Wasseige Gwenhaël ;  |
| Language :                  | English<br>> French-friendly   |
| 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><br/>                     3.1, 3.2, 3.3<br/>                     4.1, 4.2<br/>                     5.1, 5.2, 5.3<br/>                     7.2, 7.3, 7.4, 7.5, 7.6<br/>                     8.1</p> <p><b>1 b. Specific learning outcomes of the teaching unit</b><br/>                     At the end of this teaching unit, the student will be able to :</p> <ol style="list-style-type: none"> <li>report on recent advances in physics research ;</li> <li>structure an oral physics presentation showing the key elements of the subject ;</li> <li>convince an audience composed of scientists of the relevance of a result in physics ;</li> <li>take a step back on his/her training in physics ;</li> <li>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 "objectives" section above and a minimum of five seminars corresponding to point (2).</p> <p>They must keep a list of the seminars they attend, and obtain the signature of a member of the academic staff present for each seminar attended. Exceptionally, for duly justified reasons, one or more seminars from the lists (1) and (3) can be followed online.</p> <p>The teaching unit will only be credited upon compliance with this procedure.</p> <p>In addition, the student submits in week 10 of the second semester a two-page summary + bibliography of one of the seminars on the lists (1) or (2). It cannot relate to a type (3) seminar, and it must relate to a subject separate from that of the undergraduate thesis (mémoire). Students are required, in week 5 of Q2, to submit to the course holders the subject of their report so that compliance with the instructions can be verified This report is evaluated (scientific quality, quality of writing) and will be the subject of feedback during a session organized by the co-holders in week 12 or 13 of the second quadrimester.</p> |
| Teaching methods            | Seminars and written presentation  |
| Content                     | <p>The content of the seminars changes from year to year depending on the speakers.</p> <p>The seminars to follow are of three categories: (1) so-called "generalist" seminars, compulsory, with scientific content accessible to any student in a Physics Master's degree (2) specialized physics seminars (3) professional preparation seminars, generally led by a physicist active in the professional world</p> <p>An information session on the organization of the course is scheduled for week 3.</p>  |
| 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       |              |  |