UCLouvain

# wfarm1008

*2019*

# Design of the drug

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.

| 2 credits | 15.0 h + 15.0 h | Q2 |
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| Teacher(s) | Muccioli Giulio ;Préat Véronique (coordinator) ; |
| Language : | French |
| Place of the course | Bruxelles Woluwe |
| Main themes | The course will present the long path in the development of a new drug using examples, it will illustrate the design of new chemical entities, pre-clinical development and clinical studies. During seminar, small group of the students will acquire the competences mentioned in the objectives. |
| Aims | 1 The aim of the course is to explain the different steps in the discovery of a new drug to its delivery to the patient and to lead to the understanding of the interaction of the different scientific domains involved in drug conception. In this content, the student will learn to use scientific data banks criticize the information and for good scientific communication<br>- - - -<br>*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".* |
| Evaluation methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>Written exam.<br>10% of the mark for June's evaluation comes from the seminar's note. |
| Teaching methods | **Due to the COVID-19 crisis, the information in this section is particularly likely to change.**<br>Class teaching as well as seminars under the supervision of teaching assistants |
| Content | During the course, the steps involved in the development of a new drug will be described from chemistry in drug design to drug marketing. The relation of the key steps with the different courses that will be taught will be explained. The student will prepare and present orally a drug and discuss different topics e.g. how was it discovered ? How is it delivered ? What are the key information in the scientific notice of the marketed drugs ? |
| Inline resources | An adapted version of the material presented during the lessons is available on the "moodle" platform. |
| Faculty or entity in charge | FARM |

| Programmes containing this learning unit (UE) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Aims |
| Master [120] in Biomedical Engineering | GBIO2M | 2 | | |
| Bachelor in Pharmacy | FARM1BA | 2 | | |
| Minor in Biomedicine (openness) | WSBIM100I | 3 | | |