



2.00 credits

15.0 h + 15.0 h

Q2

Teacher(s)	Muccioli Giulio ;
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.
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>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</p>
Evaluation methods	<p>Written exam</p> <p>Session II (« june exams ») : the written test relative to the seminars will count for 20% of the final grade. The remaining 80% of the final grade will be attributed based on a written exam.</p> <p>Session III (« August/September exams ») : The grade will be attributed based on a written exam.</p> <p>The questionnaires can contain "Multiple choice questions" and/or « short answer-questions"</p> <p>The modalities of the written exam will depend on the health situation (cfr Covid 19).</p>
Teaching methods	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. During the seminars, The student will analyze the scientific notice of the marketed drugs. The methods for the seminars will combine teaching and on line training.
Inline resources	An adapted version of the material presented during the lessons is available on the "moodle" platform.
Other infos	<p>This course is given in the second period as we aim to use the knowledge acquired in the general subjects (chemistry, biology, anatomy).</p> <p>Participation in the seminars is compulsory and indispensable for the validation of the teaching unit. Any unjustified absence will lead to a penalty in the EU examination which may go as far as the cancellation of the examination mark for the year of study in question (0/20). In case of repeated absences, even if justified, the teachers may propose to the jury to oppose the registration for the EU exam in accordance with article 72 of the RGEE.</p>
Faculty or entity in charge	FARM

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