


Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

2 credits

15.0 h

Q2

Teacher(s)	Frédéric Raphaël (coordinator) ; Lambert Didier ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	<i>The prerequisite(s) for this Teaching Unit (Unité d'enseignement – UE) for the programmes/courses that offer this Teaching Unit are specified at the end of this sheet.</i>
Main themes	<p>This course offers aimed at deepening the concepts presented in the pharmaceutical chemistry course. The concepts of drug design are discussed through selected examples.</p> <p>They include:</p> <ul style="list-style-type: none"> <li>- the main pharmacomodulation concepts</li> <li>- the rational approaches based on the knowledge of the structure of the target or of the ligands (X-ray, NMR, molecular modeling, pharmacophore approach) incorporating notions seen in the course of biophysics</li> </ul>
Aims	<p>The course aims at introducing students to the rational design of drugs ("drug design") by means of selected examples either through conventional pharmacochemical modulations or by means of rational approach based on the three-dimensional structure of the target. It also offers an introduction to molecular modeling (molecular dynamics molecular mechanics and semi-quantum methods) and methods of modern drug discovery using the use of bank products (combinatorial chemistry, high throughput screening, ...).</p> <p>-----</p> <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>
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Additionnal module in Pharmacy	<a href="#">APPFARM</a>	2		
Bachelor in Pharmacy	<a href="#">FARM1BA</a>	2	<a href="#">WFARM1231</a>	