


2.00 credits

15.0 h

Q2

Teacher(s)	Frédéric Raphaël (coordinator) ; Lambert Didier ;
Language :	French > English-friendly
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>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <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>1</p>
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Pharmacy	FARM1BA	2	WFARM1231 AND WFARM1232 AND WFARM1219	
Additional module in Pharmacy	APPFARM	2		