

5.00 credits

40.0 h

Q1

Teacher(s)	des Rieux Anne ;Préat Véronique ;
Language :	French
Place of the course	Bruxelles Woluwe
Prerequisites	WFARM1307 Physical pharmacy
Main themes	<p>The course covers the understanding and implementation of formulation principles and drug manufacture in industry and community pharmacy. The course is divided in 2 parts (WFARM2156 et 2157) and includes practical training.</p> <p>The course aims at integrating the physicochemical bases necessary for the formulation and the manufacture of pharmaceutical dosage forms. The formulation of various pharmaceutical dosage forms including the role of excipients, the manufacture and their control will be discussed.</p>
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>At the end of the formation, students are able to</p> <ul style="list-style-type: none"> <li>- choose a pharmaceutical form adapted to the drug, the patient and the pathology</li> <li>1 - formulate it by understanding the associated physicochemical principles and the role of excipients</li> <li>- manufacture it (in community pharmacy or industry)</li> <li>- verify its quality and conformity</li> </ul>
Evaluation methods	Written exam (80%) Continuous evaluation (20%)
Teaching methods	interactive lecture courses formative videos on line pharmaceutical calculations self testing continuous evaluation (1 essay, 3 tests)
Content	The course will cover the main pharmaceutical dosage forms used: solid dosage forms for oral use, pharmaceutical solutions, liquids for oral use, injectable dosage forms. The definition and relevance of the pharmaceutical forms described in the European Pharmacopoeia, the principles of their formulation, the main excipients used, the methods of manufacture in industry and community pharmacy and the controls described in the pharmacopoeia will be addressed.
Inline resources	Lecture courses and pharmaceutical calculations are available on Moodle.
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Pharmacy	FARM2M	5		