

5.00 credits

40.0 h

Q1

Teacher(s)	des Rieux Anne ;
Language :	French > English-friendly
Place of the course	Bruxelles Woluwe
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	<p>The final grade is the weighted average of the A and B grades. In the final grade, Part A is worth 6/20 and Part B is worth 14/20.</p> <p>A: Mid-term/Continuous assessment (6 points/20; 30%)                  B: In-session examination (14 points/20; 70%)</p> <p>It will be possible, through the completion of various non-compulsory activities, to collect bonus points that will be added to the final grade of the first term.</p> <p>Attendance at mid-term exams is mandatory. Any unexcused absence will result in a grade of 0. Any overall average below 10/20 will be rounded down to the nearest whole number.</p> <p>The points obtained during the midterm exams, as well as the bonus points, will remain unchanged and will be taken into account as such in the final grade of a possible second session, within the same academic year. If the course is not passed and must be retaken in a subsequent academic year, the midterms will have to be retaken and the activities redone in order to earn the bonus points again.</p>
Teaching methods	<p>The course will be given using new teaching methods to complement the lecture (active pedagogy and flipped classes).</p> <p>Interactive lectures                  Formative videos                  Online formative tests                  Continuous assessment (3 midterms) in addition to the exam                  Workshops and optional activities</p> <p>Some activities will be done outside the course and some during the course.</p>
Content	<p>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 and eye drops. 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.</p>
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		