

5.00 credits

20.0 h + 28.0 h

Q2

Teacher(s)	Préat Véronique (coordinator) ;Vanbever Rita ;
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>At the end of this learning unit, the student is able to :</p> <p>At the end of the formation, students are able to</p> <ul style="list-style-type: none"> - choose a pharmaceutical form adapted to the drug, the patient and the pathology 1 - formulate it by understanding the associated physicochemical principles and the role of excipients - manufacture it (in community pharmacy or industry) - verify its quality and conformity
Evaluation methods	<p>Theory (10/20): written exam</p> <p>Practical training (10/20): continuous evaluation of the preparations in 2 stages (training (50%) then evaluation (50%)) with knowledge test at the start of each session, evaluation of the preparations and the associated report.</p>
Teaching methods	<p>Interactive lectures, formative videos</p> <p>integrative homeworks</p> <p>practical training on dosage forms prepared in community pharmacy</p>
Content	<p>For the theoretical part, the course will cover dispersed forms (suspensions and emulsions), dermatological preparations, rectal preparations, ophthalmic preparations, transdermal drug delivery systems and preparations for pulmonary and nasal use. 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> <p>For the practical work, students will prepare out-of-class exercises dealing with prescriptions. They will manufacture dosage forms made in community pharmacy: capsules, liquids for oral use, dermatological preparations, suppositories, eye-drops.</p>
Inline resources	The courses and practical training are available on Moodle.
Other infos	Participation to the practical training is mandatory.
Faculty or entity in charge	FARM

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