

5 credits

20.0 h + 28.0 h

Q2

Teacher(s)	Préat Véronique coordinator ;Vanbever Rita ;
Language :	French
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>
Aims	<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 <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>
Evaluation methods	<p>Theory: written exam</p> <p>Practical training: evaluation of the dosage forms and short test at the beginning of the 8 sessions</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 (labels, doses, calculations ...). They will carry out in-class preparations made in community pharmacy: capsules, liquids for oral use, dermatological preparations, suppositories, eye-drops.</p>
Faculty or entity in charge	FARM

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