


2.00 credits

15.0 h

Q2

Teacher(s)	Leysens Tom ;
Language :	French
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	1. Pharmaceutical solutions : Dissolution Solubility Partition coefficient Osmotic pressure 2. The solid state : Solid state properties : The crystalline structure Polymorphism The amorphous state Solid dispersions Properties of powders : Particle size Particle shape Specific surface area Powder density Powder flowability and particles cohesion Wettability 3. Rheology : Fluid viscosity Determination of the flow properties of Newtonian fluids Types of non-Newtonian behavior Determination of the flow properties of non-Newtonian fluids 4. Disperse systems : Interfacial phenomena Liquid interfaces Solid interfaces Colloidal systems 5. Polymers : General properties of polymers Water-soluble polymers Water-insoluble polymers and polymeric membranes
Learning outcomes	<b>At the end of this learning unit, the student is able to :</b> 1 To assimilate the physicochemical principles necessary to the formulation of dosage forms
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Biomedical Engineering	<a href="#">GBIO2M</a>	2		
Bachelor in Pharmacy	<a href="#">FARM1BA</a>	2	<a href="#">WFARM1243</a> AND <a href="#">WFARM1219</a>	