


3.00 credits

22.5 h + 15.0 h

Q1

Teacher(s)	Leclercq Joëlle ;
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	- Plant drugs in modern therapy - Main usage forms of plants and plant extracts - Quality criteria for medicinal plants and plant extracts - Classes of active compounds from plants and their properties - Toxic plants and plants used in pharmacy as crude drugs, extracts or for extraction of active compounds
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>At the end of this course, the students should: - Know the main raw materials from natural origin to give the best advice and the right information to patients - Know the main types of natural active molecules, their chemical, physical and pharmacological properties - Know the principles and the handling of analytical techniques used to determine the quality of plant drugs The course also explains: - The uses of medicines from plants, interactions and side effects</p>
Evaluation methods	<p>Evaluation: Students will be evaluated for the theoretic part by a written exam (evaluating memory but also logical and critical thinking as well as integration of data) comprising a practical problem</p> <p>A continuous evaluation will be organised for the practical part, on the basis of a report written by the students and a written test</p> <p>the theoretical part will count for 17/20 and the practical one for 3/20.</p>
Teaching methods	ex cathedra courses if sanitary situation allows it
Content	<ul style="list-style-type: none"> <li>- Generalities on uses, advantages and drawbacks of phytotherapy, differences with homeopathy, risks of plant uses</li> <li>- Phytochemistry:                             <ul style="list-style-type: none"> <li>- Biosynthesis, physico-chemical and pharmacological properties of the main classes of natural active compounds,</li> <li>- Quality control of plant and plant extracts, particular analytical methods and resolution of problems (case studies) -</li> </ul> </li> <li>- Practical part: Chemical analysis of a drug according to the European Pharmacopea</li> </ul>
Inline resources	European Pharmacopea and HMPC and ESCOP monographs
Bibliography	Support: livres de référence disponibles à la bibliothèque ou sur le net.
Other infos	Participation to the practical training is mandatory except special sanitary measures
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in Medication Sciences	<a href="#">MINFARM</a>	3		
Bachelor in Pharmacy	<a href="#">FARM1BA</a>	3	<a href="#">WFARM1243</a> AND <a href="#">WFARM1221</a> AND <a href="#">WFARM1213</a> AND <a href="#">WFARM1282</a> AND <a href="#">WFARM1237</a> AND <a href="#">WFARM1238</a>	