


Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits

22.5 h + 15.0 h

Q2

Teacher(s)	Leclercq Joëlle ;Quinet Muriel (coordinator) ;
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	<ul style="list-style-type: none"> <li>- Notions of evolution and of morphology</li> <li>- Basic knowledge on the major classes of active metabolites of vegetable origin</li> <li>- Systematic study of the main families containing plants used in pharmacy or toxic ones</li> <li>- Techniques of improvement of healing plants and optimization of the yields</li> </ul>
Aims	<p>The student, at the end of this course, will have enough knowledge to recognize and identify plants, and particularly those which are important in the pharmaceutical field (medicinal plants, toxic plants) to</p> <ul style="list-style-type: none"> <li>- prevent and recognize poisonings and identify the causes,</li> <li>1 - verify the identity of plant-based drugs he will deliver or expertise in the exercise of his profession,</li> <li>- follow with fruit the course of pharmacognosy and understand the notions of biosynthesis and chemotaxonomy.</li> <li>- He will also have acquired basic knowledge on the major classes of plant active metabolites.</li> </ul> <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	<b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b> written exam for the theoretical part. Realization of a herbarium and practical exam
Teaching methods	<b>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</b> Theoretical courses and practical courses allowing to identify a local plant and realise herbarium samples
Content	<ul style="list-style-type: none"> <li>· reproduction of plants</li> <li>- Modes of reproduction, developmental cycles</li> <li>- morphology of reproductive organs (inflorescences, flowers, fruits, seeds)</li> <li>- The various branches of the Plant kingdom: description, use, cycles</li> <li>· Angiosperms (flowering plants)</li> <li>- systematics, main families, medicinal species, uses, active ingredients</li> <li>· techniques of yield improvement</li> <li>- active molecules from vegetable origin</li> <li>· practical classes: plant identification (microscopic examination of slices and whole plant botanical identification - systematics) and realization of a herbarium</li> </ul>
Inline resources	notes de cours sur Moodle site Biologie végétale.be
Bibliography	La Flore de la Belgique (Jacquemart et al 2018) est utilisée comme base pour l'identification botanique. Les notes de cours sont disponibles sur Moodle.
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Aims
Bachelor in Pharmacy	FARM1BA	3	WMD1105 AND WMD1120P AND WMD1006	
Minor in Medication Sciences	MINFARM	3		