


3.00 credits

22.5 h + 15.0 h

Q1

Teacher(s)	Leclercq Joëlle ;
Language :	French > English-friendly
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	At the end of this learning unit, the student is able to : 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 1
Evaluation methods	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 A continuous evaluation will be organised for the practical part, on the basis of a report written by the students and a written test the theoretical part will count for 17/20 and the practical one for 3/20. Students who succeeded the practical part but who did not obtain enough points in the theoretical part, could be exempted of the practical part but the note will not be reported for the next year.
Teaching methods	ex cathedra courses if sanitary situation allows it
Content	- Generalities on uses, advantages and drawbacks of phytotherapy, differences with homeopathy, risks of plant uses - Phytochemistry: - Biosynthesis, physico-chemical and pharmacological properties of the main classes of natural active compounds, - Quality control of plant and plant extracts, particular analytical methods and resolution of problems (case studies) - - Practical part: Chemical analysis of a drug according to the European Pharmacopea
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

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Minor in Medication Sciences	MINFARM	3		
Bachelor in Pharmacy	FARM1BA	3	WFARM1237 AND WFARM1238	