

In view of the health context linked to the spread of the coronavirus, the methods of organisation and evaluation of the learning units could be adapted in different situations; these possible new methods have been - or will be - communicated by the teachers to the students.

2 credits

0 h + 22.5 h

Q1

Teacher(s)	Beuken Guy ;Dalleur Olivia ;Dessy Chantal ;Feron Olivier ;Hermans Emmanuel ;Van Bambeke Françoise (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	To examine in depth the pharmacotherapy of major classes of drugs used for important pathologies often seen in the hospital or community. For example, the course will examine - hypertension and prevention of cardiovascular diseases; - diabetes mellitus and its complications; - osteoporosis and menopause - sleep disorders; - Parkinson disease ; - respiratory tract infections and other respiratory diseases (asthma, chronic bronchitis); cutaneous and urinary tract infections; - digestive tract pathologies (reflux, ulcer, diarrhea, constipation) - headache and migraine - acute and chronic pain - allergies For each of these topics, the course will examine the role that the pharmacist can and must play for insuring safe and efficacious treatments.
Aims	<p>To learn to the future pharmacist (retail pharmacy / hospital / clinician) the appropriate use of drugs in real clinical conditions. The way of teaching and the skills to acquire are orientated towards the pharmaceutical care. At the end of the course, the future pharmacist should: - understand the major indications and the rational use of the main classes of drugs, taking into account the underlying pathologies and the background of the patient ; - justify the choice of the prescribed drugs in these indications and in the context of the global treatment of the patient (pharmacological and non-pharmacological approaches);</p> <p>1 - understand the objectives of the treatments and how to reach them by an appropriate use of drugs - understand and evaluate the adverse effects related to the use of drugs, taking into account the potential risks of individual patients; - understand drug interactions and be able to react on a rational and pro-active manner; - be capable of evaluation the appropriateness of dosages (including therapeutic schemes) for individual patients ; - on these bases, provide the patient with an appropriate counseling ; - discuss with other healthcare providers about the rational use of drugs.</p> <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>
Content	- interactive discussions on these topics, taking into account guidelines for treatment and optimal usage of drugs ; - pharmaceutical care plans; - writing of information sheets directed towards either healthcare providers or patients - critical analysis of therapeutic failures based on clinical records - drug history of patients - seminars by groups of 20 students (each student will be invited to take an active part to the activities) - some lessons will be dedicated to the integrated analysis of patients taking several medications for multiples pathologies. Several teachers will participate to these lessons, including medical doctors.
Bibliography	Support de cours obligatoire : Répertoire commenté des médicaments (mis à disposition gratuitement par les enseignants de pharmacologie)
Other infos	Physiopathology, general pharmacology, pharmacodynamics and pharmacokinetics, special pharmacology and pharmacotherapy. Oral examination based on clinical cases proposed by the students themselves. Important note: the examples taken will use the brand names of the drugs, but the students will be asked to search for the corresponding active substance name (International Nonproprietary Name).
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Pharmacy	FARM2M	2	WFARM2111 AND WFARM2114 AND WFARM2116	