UCLouvain

wfarm2502

2017

Further development in analytical toxicology and phytopharmacy

3 credits	20.0 h + 10.0 h	Q2

Teacher(s)	Wallemacq Pierre ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	Analytical methods used in clinical toxicology Biological matrices Toxicokinetics Major intoxications (alcohols, CO, psychotropic drugs, drugs of abuse, sedatives) Pesticides Mushrooms
Aims	1 This lecture aims to provide students the necessary understanding of the analytical, kinetics, and metabolic basis of the major intoxications found in clinical setting. At the end of this lecture, students should be able to discriminate potentially lethal intoxications, to propose analytical tools to detect toxics in biological fluids and to interpret analytical results in a medical context. The 10h of practical exercises are only proposed to specialized pharmacists in training in clinical biology (Master complementary) - - - - *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".*
Content	This lecture starts by a detailed review of the analytical methods available in clinical toxicology (immunoassays, chromatography including mass-spectrometric detection,), together with basis of toxicokinetics. Major families of toxics are reviewed, and include solvants, CO, drugs of abuse, psychotropes, antidepressive drugs, sedatives with some epidemiological, analytical, metabolic and clinical interpretation approaches. Practical exercises are offered to specialized pharmacists in clinical biology.
Other infos	Evaluation : written exam Support : Slides on I-campus
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)

Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Pharmacy	FARM2M	3		
Advanced Master in Clinical Biology	BCMM2MC	3		
Advanced Master in Clinical Biology	BICL2MC	3		