


3.00 credits

22.5 h

Q2

Teacher(s)	Bindels Laure (coordinator) ;Boland Lidvine (coordinator) ;
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
Learning outcomes	<p>At the end of this learning unit, the student is able to :</p> <p>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)</p>
Evaluation methods	The evaluation aims to measure the achievements of the learning outcomes through a written exam in French. For candidates specialised in clinical biology, the final mark of the EU will be composed of the mark of the written examen (15/20) and the mark related to practical workshops (5/20).
Content	<p>This course will begin with a theoretical part relating to toxicokinetics, the place of the various methods of analyses used in toxicology and their limitations. Concepts of clinical toxicology will also be worked on. A second part will aim at the application of these concepts via case studies based on scientific articles, with an active participation of the student. Whenever possible, external speakers will be asked to enrich the course.</p> <p>Practical work will be organised for candidates specialised in clinical biology in order to allow each student to carry out qualitative and sometimes quantitative research of these toxins in various biological environments, including the control of quality controls.</p>
Inline resources	Digitised slides and lecture notes on Moodle UCL.
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Pharmacy	FARM2M	3		
Advanced Master in Clinical Biology	BICL2MC	2		