


3.00 credits

22.5 h

Q2

Teacher(s)	Bindels Laure (coordinator) ;Boland Lidvine ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	Analytical methods used in toxicology Biological media Toxicokinetics Solvent intoxication, CO, analgesics, narcotics, sedatives, antidepressants. Pesticide and heavy metal poisoning Poisonous mushroom poisoning
Learning outcomes	<p><b>At the end of this learning unit, the student is able to :</b></p> <p>1 This course aims to give the students the necessary bases for the analytical, toxicokinetic and metabolic approach of the principal intoxications met in ambulatory or hospital environment. At the end of this course the student must be able to discern potentially severe intoxications, to evaluate and compare the analytical methods appropriate to the detection of these toxins. Following the practical work, candidates specialising in clinical biology should also be able to interpret the results of these analyses in a clinical context.</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	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.  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.
Inline resources	Digitised slides and lecture notes on Moodle UCL.
Faculty or entity in charge	FARM

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Master [120] in Pharmacy	<a href="#">FARM2M</a>	3		
Advanced Master in Clinical Biology	<a href="#">BICL2MC</a>	3		