



Due to the COVID-19 crisis, the information below is subject to change, in particular that concerning the teaching mode (presential, distance or in a comodal or hybrid format).

3 credits

22.5 h

Q2

Teacher(s)	Bindels Laure ;de Timary Philippe ;Gohy Sophie ;Hantson Philippe ;Haufroid Vincent ;Hermans Emmanuel (coordinator) ;Jacques Denis ;Lambert Didier ;Starkel Peter ;Vikkula Miikka ;
Language :	French
Place of the course	Bruxelles Woluwe
Main themes	The following themes will be explored: chemistry, pharmacodynamics (molecular targets), pharmacokinetics, psychiatric effects, pharmacokinetics, psychiatric and psychosocial effects, involvement in the treatment of addiction, epidemiology, history, psychological management of addictions, toxicity for the organism (in particular nervous, hepatic, pulmonary and renal toxicities), genetic predisposition to addiction, analytical approaches, drug and metabolite detection, assays in biological fluids, legal and societal aspects.
Aims	<p>To give students the opportunity to deepen their knowledge of the medical and social problems associated with the use and abuse of licit or illicit substances. Both the psychological and psychiatric aspects of addictions as well as the toxicological aspects will be explored. At the end of this course, the student will be able to understand the pharmacological, neurobiological and psychiatric mechanisms of the addictions.</p> <p>1 He will also have gained an overall view of the toxicological aspects related to the acute or chronic use of the most commonly drugs encountered.</p> <p>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'.</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>
Evaluation methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>The teaching is based on lectures (total of 30 hours). It is based on the development of theoretical concepts, but also on the description of concrete examples. The course involves several active teachers and experts in their field. They will share their experience and possibly propose a meeting with external speakers or consider visits to specific analysis laboratories.</p> <p>The teaching is organized in the form of lectures in audience. Due to the Coronavirus crisis, access to classrooms could be limited (number of places). The course will therefore be taught in a hybrid mode (comodal). A limited number of seats are available in the auditorium. Other students are invited to follow the course live on UCLouvain's computer platforms. As far as possible and subject to technical concerns, lessons are recorded and available to the UCLouvain community (PodCast). Depending on the progression of the crisis, current events and the constraints imposed on us, the course modalities could be reviewed.</p>
Teaching methods	<p>Due to the COVID-19 crisis, the information in this section is particularly likely to change.</p> <p>Teaching is based on lectures (total of 30 hours). It relies on the development of theoretical concepts, but also on the description of concrete examples. The course involves several active teachers and experts in their field. They will share their experience and propose seminars with external participants or may consider visits of specific analytical laboratories.</p>
Bibliography	l'essentiel des documents présentés aux cours sont accessibles sur Internet via la plateforme Moodle accessible aux membres de la communauté universitaire.
Faculty or entity in charge	FARM

Programmes containing this learning unit (UE)				
Program title	Acronym	Credits	Prerequisite	Aims
Master [120] in Biomedicine	SBIM2M	3		
Master [60] in Biomedicine	SBIM2M1	3		
Master [120] in Pharmacy	FARM2M	3		