




3.00 credits

22.5 h

Q2

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| 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 |
| Prerequisites | Understanding the concepts developed in this course requires basic training in health sciences. This graduate course is therefore only accessible to students with a bachelor's degree in pharmaceutical, biomedical, medical or dental sciences, or who finalize such a bachelor's degree. |
| 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. |
| Learning outcomes | <p>At the end of this learning unit, the student is able to :</p> <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. 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>¹ 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> |
| Evaluation methods | In order to include all teachers in the assessment, it is organized as a written exam in the form of multiple choice questions from most teachers. The number of questions related to each part of the course takes into consideration the importance of these parts. There are also some open-ended questions which the student must answer with a short development. |
| Teaching methods | 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 will consider visits to specific analysis laboratories. |
| 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) | | | | |
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| Program title | Acronym | Credits | Prerequisite | Learning outcomes |
| Master [60] in Biomedicine | SBIM2M1 | 3 | |  |
| Master [120] in Pharmacy | FARM2M | 3 | |  |
| Master [120] in Biomedicine | SBIM2M | 3 | |  |