

3.00 crédits

0 h + 15.0 h

Q1


Cette unité d'enseignement n'est pas accessible aux étudiants d'échange !

Enseignants	. SOMEBODY ;Elens Laure (coordinateur(trice)) ;Hermans Emmanuel ;
Langue d'enseignement	Anglais
Lieu du cours	Bruxelles Woluwe
Thèmes abordés	The course features practical sessions where students will apply fundamental concepts in PK-PD, including pattern recognition and both non-compartmental and compartmental analysis with PK parameter calculations and interpretation. These sessions will also involve PKPD modeling using Pkanalix, covering various case studies such as direct Emax, compartment effect, and turnover. Additionally, coaching sessions are planned to support students in their group work on a PKPD database, encompassing contextualization, data handling, and basic non-compartmental and compartmental analysis of PKPD data.
Acquis d'apprentissage	
Modes d'évaluation des acquis des étudiants	<p>Students will receive a data set per group of 2-6 students. The work will be evaluated through a written report and an oral defense</p> <p>Data will relate to a PK-PD study, we ask them to</p> <ol style="list-style-type: none"> 1. Contextualize the data set: <ol style="list-style-type: none"> 2. How my dataset integrates in drug life cycle? 3. Describe the molecule/drug <ol style="list-style-type: none"> 1. PD aspects <ol style="list-style-type: none"> 1. pharmacological class 2. Indication(s) 3. Mode of action and notion of receptor 4. Biomarkers 2. PK aspects of the work <ol style="list-style-type: none"> 1. Route(s) of administration 2. ADME pathway 3. Influencing factors 4. Special populations 5. Clinical PK: TDM, PK markers, steady state... 4. Handle the data: <ol style="list-style-type: none"> 1. Exploring, cleaning, normalizing, visualizing, summarizing & reporting 5. Draft a DMP 6. NCA of PK data 7. PK/PD pattern recognition and basic CA modeling
Méthodes d'enseignement	<p>This course is part of Block I and is composed of Practical sessions that integrate the competencies acquired through all Bloc 1 Teaching units</p> <ol style="list-style-type: none"> 1. WPMTX2001: Drug life cycle 2. WPMTX2002 and WPMTX2003: Stat and PK-PD basics 3. WPMTX2004: Data handling 4. Practical sessions of WPMTX2005
Contenu	<p>This course will be divided in different hands-on and case series sessions to familiarize the students with:</p> <ul style="list-style-type: none"> • PK pattern recognition • PD pattern recognition • Non compartmental analysis • Bioequivalence and bioavailability study analysis <p>Additionally, the schedule will integrate supervised coaching sessions to let the students working on their datasets with support from teachers and teaching assistants.</p>

Autres infos	Slide decks available on Moodle
Faculté ou entité en charge:	FARM

Programmes / formations proposant cette unité d'enseignement (UE)				
Intitulé du programme	Sigle	Crédits	Prérequis	Acquis d'apprentissage
Advanced master in pharmacometrics	PMTX2MC	3		