UCLouvain

HOPI2MC

2026 - 2027

Advanced Master in Hospital Pharmacy

At Bruxelles Woluwe - 180 credits - 3 years - Day schedule - In French
Dissertation/Graduation Project : **YES** - Internship : **YES**
Activities in English: **NO** - Activities in other languages : **NO**
Activities on other sites : **NO**
Main study domain : **Sciences biomédicales et pharmaceutiques**
Organized by: **Faculty of Pharmacy and Biomedical Sciences (FASB)**
Programme acronym: **HOPI2MC** - Francophone Certification Framework: 7

Table of contents

Introduction 2
Teaching profile 3
Learning outcomes 3
Programme structure 4
Programme 4
Detailed programme by subject 4
The programme's courses and learning outcomes 7
Information 8
Access Requirements 8
Teaching method 10
Evaluation 10
Mobility and/or Internationalisation outlook 10
Contacts 10

HOPI2MC - Introduction

Introduction

HOPI2MC - Teaching profile

Learning outcomes

The training is intended to equip students with the essential theoretical and practical knowledge and skills required for employment as a hospital pharmacist, as referred to in the Ministerial Decree of 22 October 2012 (Belgian Monitor of 03/12/2012) setting the criteria to be met in order to qualify for the position of hospital pharmacist. The areas of expertise are wide and varied, and this diversity is reflected in the training programme.

By way of example, the term “medications” is used in the broadest sense. Among other interpretations, the term "medications" refers to: proprietary medicine, compounding, common pharmaceutical products, antiseptics and disinfectants, registered health foods, implantable medical devices, products undergoing clinical trials and samples intended for use on hospitalised patients. The training also allows the acquisition of special and cross-disciplinary skills, which are essential.

On successful completion of this programme, each student is able to :

1 Assimilate knowledge in the areas defined by the Ministerial Decree and apply them to professional practice

1.a

The **theory training** covers five main areas (Ministerial decree of 20/12/2012).

1. Hospital organisation and management:

a) The hospital: Legislation and organisation of hospitals – Legislation of pharmacovigilance and materiovigilance - Management and quality of care

b) The hospital pharmacy: Legislation - General tasks - Specific tasks

2. Fighting and preventing infection:

a) Hospital hygiene; b) Microbiology; c) Sterilisation and disinfection; d) Antibiotherapy and antibioprophylaxy; e) Vaccines

3. Pharmacotherapy:

a) Physiopathology; b) Pharmacotherapy and pharmacokinetics; c) Clinical trials d) Clinical pharmacy

4. Hospital technology

a) Pharmaceutical preparations in hospitals; b) Enteral and parenteral food products c) Medical devices; d) Advanced therapy medications

5. Radiopharmacy

The **practical training** (work placements) covers the following modules (Ministerial decree of 20/12/2012):

Part 1

a) Organisation and management of hospital pharmacy; organisation and management of medication distribution, including command of the processes, management of medication quality and information

b) Clinical trials

Part 2:

a) Fighting infections, including hospital hygiene and central sterilisation

b) Management of antibiotherapy and antibioprophylaxy

c) Organisation and management of the medical device circuit, including the activities falling within the remit of the Medical Equipment Committee

Part 3:

a) Clinical pharmacy and pharmaceutical care

b) Activities falling within the remit of the Medico-Pharmaceutical Committee

Part 4:

Preparation and division activities, best preparation practices and quality assurance:

a) Oncological preparations and high-risk products

b) Other preparations, including pharmaceutical preparations and sterile preparations

c) Radiopharmacy

2 understand and apply the legislation and standards relating to the duties of a hospital pharmacist as defined by the Royal Decree of 4 March 1991 stipulating the standards which a hospital dispensary must satisfy in order to be approved (Belgian Monitor of 23 March 1991)

2.a The duties of a hospital pharmacist fall into three categories: general duties, specific duties and administrative duties.

- The general duties include the dispensing, preparation, supply, preservation, analysis and quality control of medications

- There are four types of specific duty: (1) clinical activities, in direct contact with patients and members of healthcare teams (these activities include, among others, clinical pharmacy activities); (2) collaboration with the Medical Council, the Nursing Council and the Ethics Committee; (3) active participation on the Hospital Hygiene Committee, the Medico-Pharmaceutical Committee and the Medical Equipment and Implantable Medical Devices Committee; (4) Quality control of day-to-day central sterilisation

- The administrative duties relate to staff management, the preparation and monitoring of budgets, billing the Social Security Department and patients for medications.

3 manage, evaluate and improve the system for using medications in a hospital setting to ensure that it is effective, safe and efficient (medications in the broad meaning of the word, therefore including implantable medical devices and sterile equipment)

4 ensure that medications are dispensed carefully and thoroughly in the hospital

5 assimilate and apply the principles of sterile or non-sterile preparation in the hospital

6 provide pharmaceutical care

7 be solely responsible for maintaining permanent security

8 develop and execute a research project on the practice of hospital pharmacy using a scientific approach

8.a The research project will culminate in the presentation of a dissertation. This will take place in the 3rd year of training, in a specific field related to the skills of a hospital pharmacist.

9 work as part of a team and with professionals from other disciplines

9.a This interdisciplinary work is highlighted as part of a number of theoretical courses, where members of different professions teach courses together (e.g. a hospital pharmacist with a doctor responsible for quality; a nurse with a specialist doctor; a hospital clinical pharmacist with a specialist doctor). This interdisciplinary approach is also implemented and assessed within the framework of practical training. This objective is systematically included in the assessment forms for each work placement.

10 communicate appropriately, in writing and verbally, with patients and with other pharmacists and health professionals

11 operate in accordance with the ethical, legal and deontological framework of the profession

12 identify their own learning needs, set objectives and work to achieve them

Programme structure

The course (including the placement) lasts one year on a full-time basis. The hospital pharmacy committee may agree to it being spread over two years, if students have professional responsibilities or if their personal situation justifies this: it is subject to the agreement of the President of the School of Pharmacy

The programme of classes and placements has recently been modified to give pharmacists better training in the basic principles of clinical pharmacy as well as the pharmacotherapy of the main pathologies encountered in the hospital environment.

HOPI2MC Programme

Detailed programme by subject

CORE COURSES [180.0]

- Mandatory
- Optional
- Not offered in 2026-2027
- Not offered in 2026-2027 but offered the following year
- Offered in 2026-2027 but not the following year
- Not offered in 2026-2027 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Year
1 2 3

Formation théorique

Module A. Organisation et gestion hospitalière

				Year 1	2	3
WHOPI2100	Organisation et fonctionnement de la pharmacie en milieu hospitalier	Caroline Briquet Olivia Dalleur (coord.) Bénédicte Lambaux Stefanie Quennery Laura Soumoy Anne Spinewine	FR [q1] [30h] [4 Credits]	x		
WFSP2252	Hospital Organisation and Hospital Act	Amandine Rousseau	FR [q1] [30h] [3 Credits]		x	
WHOPI2104	Management qualité et gestion des risques	Marc Bourgeois (coord.) Victoire Caryn Véronique Deneys Anna Hontis Aline Wertz	FR [q2] [15h] [3 Credits]		x	

Module B. Lutte contre les infections nosocomiales

WHOPI2106	Gestion de l'antibiothérapie et prévention et contrôle des infections en milieu hospitalier	Ahalieyah Anantharajah Nathalie Ausselet Caroline Briquet Christine Laurent Caroline Nyssen Françoise Van Bambeke (coord.)	FR [q2] [40h] [5 Credits]	x		
WHOPI2105	Stérilisation et désinfection	Marion Jamart Anne Spinewine (coord.)	FR [q2] [15h] [3 Credits]		x	

Module C. Pathologie et pharmacothérapie

WHOPI2101	Pharmacotherapy	Charline Artoisenet Abdenor Badaoui Christophe Beauloye François Carlier Olivia Dalleur (coord.) Olivier Dewit Patrick Durez Olivier Gurné Denis Jacques Nada Kanaan Laurent Knoops Anne-Sophie Larock Bruno Michel Eric Mormont Ariane Mouzon Marc Perreault François-Xavier Sibille Barbara Sneyers Arnaud Steyaert	FR [q2] [50h+25h] [7 Credits]	x		
WHOPI2109	Compléments de pharmacologie et pharmacothérapie : médicaments à usager hospitalier	Marine Cillis Olivia Dalleur Philippe Dubois Jonathan Elias Séverine Halleux Cédric Hermans Pauline Marneffe Barbara Sneyers Anne Spinewine (coord.)	FR [q1] [30h] [4 Credits]	x		
WHOPI2107	Méthodologie en pharmacie clinique	Olivia Dalleur (coord.) Ariane Mouzon Anne Spinewine	FR [q1] [20h] [4 Credits]		x	
WHOPI2108	Applications cliniques en pharmacocinétique et pharmacogénomique	Laure Elens Vincent Haufroid (coord.) Jean-Luc Vaerman	EN [q1] [25h+10h] [5 Credits] *> English-friendly*		x	
WHOPI2110	Etudes cliniques, pharmacovigilance et risques médicamenteux	Séverine Halleux Jamila Hamdani Séverine Henrard (coord.) Julie Vanacker Corinne Willame	FR [q2] [25h+5h] [5 Credits]		x	

Module D. Technologie hospitalière

				Year 1	2	3
WHOPI2103	Prosthesis, implants and biomedical equipments	Olivier Cornu (coord.) Valérie Hox Alexandra Kozyreff Laura Labriola Bénédicte Lambaux Benoît Lengelé Alain Poncelet Thomas Schubert Robert Tircoveanu	FR [q1] [30h] [4 Credits]	x		
WRDTH3152	Compléments de chimiothérapie et d'hormonothérapie antitumorales	Jean-François Baurain Frank Cornelis Lionel D'Hondt François Duhoux Rachel Galot Xavier Poire Marc Van den Eynde (coord.) Cedric Jacques van Marcke de Lummen Aline Wertz	FR [q1] [30h] [4 Credits]	x		
WHOPI2111	Contrôle qualité et assurance qualité de la fabrication et administration des préparations hospitalières	Muriel Bary Cécile Decoster Anne-Sophie Delsaux Louise Lombet (coord.) Laura Soumoy Aline Wertz	FR [q1] [20h] [3 Credits]	x		
WSBIM2238N	Specialized nutrition - Specialized nutrition (parenteral and enteral nutrition in children and adults)		FR [q2] [15h] [2 Credits] *> English-friendly*		x	

Module E. Radiopharmacie

WMNUC2100	Master and compelmentary master	Véronique Roelants Thierry Vander Borght (coord.)	FR [q1] [15h] [2 Credits]		x	
WRFAR2100T	Radiochimie, radiotoxicologie et radiopharmacie (théorie)		EN [q1] [22.5h] [3 Credits] *> English-friendly*		x	

Cours au choix

L'étudiant de 3e année choisit un ou des cours au choix en lien avec le stage et le mémoire pour une valeur de 3 crédits minimum. Ce choix à faire dans le portefeuille de cours UCLouvain ou dans une autre institution est à valider par les responsables du programme.

Accompagnement du stage et du mémoire

WHOPI2323	Séminaire d'accompagnement du stage et du mémoire	Olivia Dalleur (coord.) Séverine Henrard Barbara Sneyers Anne Spinewine	FR [q1+q2] [15h+45h] [6 Credits] *> English-friendly*			x

Formation pratique

WHOPI2120	Stage 1re partie *Le stage se déroule au 1er et au 2e quadrimestres.*		FR [] [] [29 Credits]	x		
WHOPI2220	Stage 2e partie *Le stage se déroule au 1er et au 2e quadrimestres.*		EN [] [] [30 Credits]		x	
WHOPI2320	Stage 3e partie *Le stage se déroule au 1er et au 2e quadrimestres.*		FR [] [] [22 Credits]			x

Mémoire

WHOPI2399	Mémoire		EN [] [] [29 Credits]			x

The programme's courses and learning outcomes

For each UCLouvain training programme, a reference framework of learning outcomes specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

HOPI2MC - Information

Access Requirements

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.
Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.
The admission requirements must be met prior to enrolment in the University.

Unless explicitly mentioned, the bachelor's, master's and licentiate degrees listed on this page are to be understood as those issued by an institution of the French, Flemish or German-speaking Community, or by the Royal Military Academy.

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- General access requirements
- Specific access requirements

General access requirements

Translated from https://www.gallilex.cfwb.be/fr/leg_res_01.php?ncda=39681&referant=l02

Art. 112. of the "Décret définissant le paysage de l'enseignement supérieur et l'organisation académique des études" :

§ 1. In accordance with the general requirements established by the academic authorities, students who have:

1. a master's degree;

2. an academic degree similar to the one mentioned in the preceding paragraph awarded by a higher education institution in the Flemish Community or the German-speaking Community, or by the Royal Military Academy, by virtue of a decision of the academic authorities and in accordance with any additional requirements they may establish;

3. a foreign academic degree deemed equivalent to the one mentioned in paragraph 1, in accordance with this Decree, a European directive, an international convention or other legislation, in accordance with the same requirements.

The additional admission requirements referred to in paragraph 2 are intended to ensure that the student has acquired the knowledge and skills required for the studies in question. When the additional admission requirements consist of one or more additional course units, these may not represent more than 60 additional credits for the student, taking into account all the credits that he or she may otherwise use for admission. These course units are part of the student's study programme.

§ 2. In accordance with the general requirements established by the academic authorities, a student who holds a title, diploma, degree or certificate of higher education, in the French Community or outside it, which does not grant him or her eligibility for admission to a specialised master's course by virtue of the preceding paragraph, may nevertheless be admitted by the jury of the course in question, in accordance with the additional requirements that it establishes, if the totality of the higher education that he or she has completed or the expertise that he or she has acquired is valued by the jury to be at least 240 credits.

§ 3. By way of derogation from these general requirements, the academic authorities may also admit to a specialised master's course holders of a title, diploma, degree or certificate awarded outside the French Community which, in that system of origin, grants direct eligibility for postgraduate studies, even if the studies sanctioned by these credentials are not organised into distinct degree courses or within a time period of at least five years.

Specific access requirements

Specific Admission Requirements

Pour pouvoir être admis au programme, le candidat doit

- posséder un diplôme belge ou européen de master en sciences pharmaceutiques,

- avoir réussi l'épreuve de sélection qui comprend une évaluation du parcours académique (50%), de la motivation (30%), et du parcours professionnel (stages et/ou expérience professionnelle, 20%). Le jury est composé d'un membre du comité de gestion, d'un académique membre de la Faculté, et de deux pharmaciens hospitaliers au sein de l'hôpital universitaire ou d'un hôpital non universitaire.

La commission d'admission se réserve le droit de limiter le nombre d'inscriptions en fonction des capacités des centres de formation pratique et du nombre de postes financés octroyés au niveau fédéral.

Toute demande doit être introduite au secrétariat de la Faculté de pharmacie et de sciences biomédicales avec dossier et curriculum complet au plus tard le 15 avril précédant l'année académique sollicitée. Le canevas de ce dossier est disponible sur le site de la Faculté.

Chaque candidat ne peut introduire une demande qu'auprès d'une seule Académie. Le programme n'est pas un programme inter-académies, mais cette disposition a été prise afin de garantir une équité entre candidats pour l'obtention d'un mandat rémunéré (voir ci-dessous). La procédure de sélection des candidats pour l'obtention des mandats rémunérés et le calendrier de cette procédure sont cependant communs aux 3 Académies francophones qui organisent le master complémentaire en pharmacie hospitalière.

Etant donné que la loi n'autorise pas les titulaires d'un diplôme de pharmacien obtenu dans un pays hors union européenne à pratiquer sur le territoire belge, les titulaires d'un diplôme de pharmacien obtenu hors de l'union européenne ne sont pas admissibles au master complémentaire mais pourront être orientés vers une inscription à un certificat en pharmacie hospitalière, moyennant accord de la commission d'admission sur le dossier du candidat. L'admission académique nécessite d'effectuer au préalable une demande d'admission administrative au secrétariat des inscriptions exclusivement à l'aide du formulaire d'inscription intitulé "Demande d'admission pour diplômés étrangers".

Pour les candidats étrangers non-francophones (UE et hors UE), une maîtrise suffisante de la langue française est requise. Ils devront apporter la preuve, dans leur demande d'admission, d'une maîtrise suffisante de la langue française (niveau B1 du Cadre européen commun de référence , pages 24 à 29).

//

Teaching method

Throughout the year, students take some courses taught by pharmacists and other health professionals (mainly doctors) and undertake placements under the supervision of an approved placement supervisor and in collaboration with hospital pharmacists and other professionals, such as specialist doctors in different fields, nurses etc.

The teaching methods are varied and include lectures as well as problem-based learning. The majority of the teachers are university staff with practical experience. There is special emphasis on creating a link between theory and practice.

The wide variety of placements which students undertake provide many different learning situations. By the end of the academic year, students will have had the opportunity to learn about all the aspects of a career as a hospital pharmacist.

Evaluation

The evaluation methods comply with the Academic regulations and procedures . More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

The students are evaluated in various ways:

- oral and/or written exams in relation to the theoretical training;
- presentation of course work (individual or group) in relation to both the theoretical and practical training; this work is evaluated by members of the teaching team and/or by the professionals working in the area in question; each piece of work is accompanied by a list of objectives, explanations of the methodology used and an evaluation grid;
- production of a placement report reflecting the different activities and work carried out within the framework of the work placements;
- detailed evaluations for each module of the practical training, based on a comprehensive list of the learning objectives; these evaluations are carried out in the following manner:
- A "formative" evaluation is conducted halfway through the work placement, by the student and the supervising pharmacist. This evaluation (and the self-assessment by the student) must clearly identify areas to be improved during the second part of the placement, as well as any aspects that were not addressed during the first half of the placement.
- A "summative" evaluation is conducted on completion of the work placement by the supervising pharmacist, validated by the placement supervisor and communicated to the student.

A complete list of the learning objectives for each placement is communicated to the students at the start of the academic year and is available on icampus.

To obtain the average, the marks obtained for the teaching units are weighted by their respective credits.

Mobility and/or Internationalisation outlook

According to the terms of the ministerial decree, if it is included in an approved internship plan, part of the practical training can be carried out in an approved foreign establishment. In all cases, at least one year of practical training is followed in an approved internship service in Belgium.

The Faculty maintains an international network of partner hospitals to welcome UCLouvain specialist candidates. An agreement for the realization of internships exists with the University of Montreal and certain universities in France. We also work with other partner institutions, on a case-by-case basis, mainly in France and Switzerland.

Contacts

Curriculum Management

Faculty

Structure entity	SSS/FASB
Denomination	Faculty of Pharmacy and Biomedical Sciences (FASB)
Sector	Health Sciences (SSS)
Acronym	FASB
Postal address	Avenue Mounier 73 - bte B1.73.02 1200 Woluwe-Saint-Lambert

Mandate(s)

- Dean : Raphaël Frédérick

Commission(s) of programme

- Ecole de pharmacie (FARM)

Other academic Supervisor(s)

- anne.spinewine@uclouvain.be
- olivia.dalleur@uclouvain.be

Jury

- Président du jury d'examens: anne.spinewine@uclouvain.be
- Secrétaire du jury d'examens: olivia.dalleur@uclouvain.be

Useful Contact(s)

- Secrétaire et gestionnaire des admissions: guillaume.arnould@uclouvain.be