

At Bruxelles Woluwe - 120 credits - 2 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)**

FARM2M - Introduction

Introduction

LIST OF FOCUSES

- > [Research Focus](#) [en-prog-2024-farm2m-wfarm200a]
- > [Professional Focus](#) [en-prog-2024-farm2m-wfarm201s]

RESEARCH FOCUS [30.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

o Content:

● WFARM2171	Travail expérimental de recherche en sciences pharmaceutiques (1re partie)		[FR] [q2] [] [6 Credits] 🌐 > English-friendly	X	
● WFARM2176	Présentation d'un travail de recherche en sciences pharmaceutiques	Olivia Dalleur Anne des Rieux Amandine Everard Raphaël Frédéric Bernard Gallez (coord.) Bénédicte Jordan Giulio Muccioli Pierre Sonveaux Françoise Van Bambeke Rita Vanbever	[FR] [q2] [50h] [11 Credits] 🌐 > English-friendly	X	

o Content:

○ WFARM2135	Seminary and practical exercises integred of pharmaceutical sciences	Anne des Rieux Laure Elens Raphaël Frédéric Giulio Muccioli (coord.)	PR [q1+q2] [0h+160h] [9 Credits] 	X	
○ WFARM2196	Rational therapeutic choices (Introduction to evidence-based medicine and pharmacoeconomy)	Nathalie Dujardin Séverine Henrard Anne Spinewine (coord.)	PR [q1] [30h+10h] [4 Credits] 	X	
○ WFARM2134	Gestion des situations aigües	Pierre Bulpa (coord.) Maximilien Gourdin Patrick Honoré Henri Thonon	PR [q2] [15h] [2 Credits] 	X	
○ WFARM2235					

o **Content:**

OPTION INNOVATION ET CONCEPTION DU MÉDICAMENT [16.0]

En envisageant les premiers stades de développement du médicament, depuis sa découverte jusqu'aux étapes de recherche préclinique, cette option met l'accent sur la conception des futurs nouveaux médicaments dans les laboratoires de recherche.

● Mandatory

✘ Optional

△

OPTION PRODUCTION, CONTRÔLE ET RÉGLEMENTATION [16.0]

Cette option regroupe les cours en rapport immédiat avec les activités spécifiques des pharmaciens dans l'industrie.

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

o Content:**o Cours obligatoires (10 credits)**

● WFARM2104	GOOD MANUFACTURING AND QUALITY	Thierry Ponce Quentin Spillier (coord.)	[FR] [q2] [30h+15h] [3 Credits]
-------------	--------------------------------	--	---------------------------------

OPTION RECHERCHES EN SCIENCES PHARMACEUTIQUES [16.0]

Réservée aux étudiants en finalité approfondie, cette option comprend un enseignement spécifique en biostatistique ainsi qu'un large éventail de cours au choix permettant d'approfondir certains domaines des sciences pharmaceutiques en rapport direct avec le projet de recherche.

- Mandatory
- ✘ Optional
- △ Not offered in 2024-2025
- ⊙ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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

o Content:**o Cours obligatoire (16 credits)**

● WFARM2177	Biostatistics	Laure Elens	FR [q2] [20h+10h] [3 Credits] 🌐	X
● WFARM2175	Etude critique d'un article de recherche en sciences pharmaceutiques	Olivia Dalleur Anne des Rieux Amandine Everard Raphaël Frédéric Bernard Gallez (coord.) Bénédicte Jordan Giulio Muccioli Pierre Sonveaux Françoise Van Bambeke Rita Vanbever	FR [q2] [40h] [4 Credits] 🌐 > English-friendly	X
● WFARM2275	Exercice de communication scientifique ■	Olivia Dalleur Anne des Rieux Amandine Everard Raphaël Frédéric Bernard Gallez (coord.) Bénédicte Jordan Giulio Muccioli Pierre Sonveaux Françoise Van Bambeke Rita Vanbever	FR [q1] [30h] [2 Credits] 🌐 > English-friendly	X
● WFARM2286	Démarche expérimentale en recherche pharmaceutique ■		FR [q2] [] [7 Credits] 🌐 > English-friendly	X

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

- Mandatory
- ⊗ Optional
- △ Not offered in 2024-2025
- ⊖ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 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...)

○ Supplementary classes

Maximum 60 credit(s)

○ WFARM1213	Human physiology and basics of physiopathology	Olivier Feron (coord.) Emmanuel Hermans Jean-Christophe
-------------	--	---

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified **in the detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration purposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the [Academic Regulations and Procedures](#).

Prerequisites list

- WFARM2211** "Séminaire de pharmacothérapie intégrée" has prerequisite(s) WFARM2111 ET WFARM2114 ET WFARM2116
- WFARM2111 - [Integrated pharmacotherapy](#)
 - WFARM2114 - [Pharmacologie spéciale et éléments de pharmacothérapie 1re partie](#)
 - WFARM2116 - [Pharmacologie spéciale et éléments de pharmacothérapie 2e partie](#)
- WFARM2235** "Travaux pratiques de pharmacie galénique" has prerequisite(s) WFARM2117 ET WFARM2156 ET WFARM2157
- WFARM2117 - [Analyse et contrôle de qualité des médicaments](#)
 - WFARM2156 - [Pharmacie galénique 1re partie](#)
 - WFARM2157 - [Pharmacie galénique 2e partie](#)
- WFARM2249** "Séminaire d'intégration pharmaceutique (finalité approfondie)" has prerequisite(s) WFARM2117 ET WFARM2118 ET WFARM2156 ET WFARM2157 ET WFARM2114 ET WFARM2116 ET WFARM2111
- WFARM2117 - [Analyse et contrôle de qualité des médicaments](#)
 - WFARM2118 - [Chimie médicinale](#)
 - WFARM2156 - [Pharmacie galénique 1re partie](#)
 - WFARM2157 - [Pharmacie galénique 2e partie](#)
 - WFARM2114 - [Pharmacologie spéciale et éléments de pharmacothérapie 1re partie](#)
 - WFARM2116 - [Pharmacologie spéciale et éléments de pharmacothérapie 2e partie](#)
 - WFARM2111 - [Integrated pharmacotherapy](#)
- WFARM2256** "Soins pharmaceutiques en officine et stage" has prerequisite(s) ·

Diplômes équivalents au bachelier en sciences pharmaceutiques

[Access based on application](#)

Connaissance du français

Non university Bachelors

> Find out more about [links](#) to the university

Holders of a 2nd cycle University degree

Diploma	Special Requirements	Access	Remarks
"Licenciés"			
Pharmaciens		Direct access	
Médecins		Access based on application	
Bioingénieurs			
Dentistes			
Licenciés en sciences biomédicales			
Licenciés en chimie			
Masters			
Titre inconnu:lfarm2m		Direct access	
		Access with additional training	
Titre inconnu:lsbim2m		Access based on application	
Titre inconnu:lmed2m			
Titre inconnu:ldent2m			
Titre inconnu:lchim2m			
Titre inconnu:lbirc2m			
		Access based on application	

Holders of a non-University 2nd cycle degree

Access based on validation of professional experience

> It is possible, under certain conditions, to use one's personal and professional experience to enter a university course without having the required qualifications. However, validation of prior experience does not automatically apply to all courses. Find out more about [Validation of priori experience](#).

Access based on application

Access based on application : access may be granted either directly or on the condition of completing additional courses of a maximum of 60 ECTS credits, or refused.

Admission and Enrolment Procedures for general registration

Specific professional rules

These studies lead to a professional title subject to specific rules or restrictions on professional accreditation or establishment.

You will find the necessary legal information by [clicking here](#).

Teaching method

The teaching provided on the Master in Pharmacy programme is based on a variety of teaching methods enabling an integrated approach to the theory and practical aspects of the different disciplines relating to the professions of pharmacist and pharmaceutical researcher.

The theory classes are aimed at developing a specialised knowledge base in pharmacy using simple and complex practical examples of pharmaceutical problems. A number of compulsory and elective theory classes are also associated with a cross-functional activity integrating different disciplines by means of practical work in laboratories, seminars and case studies, during which the students become actively involved in their own learning.

Several teaching units invite the students to learn about pharmacy through individual or group work. The aim of such work is to develop skills in self-learning, summarising and communication. Another objective is to produce a thesis in which the students address, in a detailed and integrated manner, an original question related to one or more pharmaceutical fields, under the guidance of an expert in this area.

In the Research focus, the Master in Pharmacy teaching enables the students to work in a research laboratory or clinical pharmacy service, where they can discover the world of research through individual work based on experimentation and data analysis.

The training also includes a 6-month work placement in a dispensary, enabling the students to learn about the profession on their own and under the guidance of a pharmacist. An orientation placement, also compulsory, enables them to discover the other facets of the pharmacist's profession in society.

The theory-based and practical training involves pharmacy experts throughout the academic programme. This specialist supervision ensures a balance between the expected learning outcomes and current expectations of society in the field of pharmacy.

Evaluation

The evaluation methods comply with the [regulations concerning studies and exams](#). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Each course is subject to one or more evaluations, in the form of written and/or oral exams, organised in two main sessions: one in January and the other in June. The September session is a re-sit opportunity.

The specific details of the exam are communicated to the students at the start of each course. These evaluations are intended to assess the learning outcomes defined in the course objectives. With regard to the practical elements of the training (practicals, seminars and projects), the evaluation is ongoing and may include a final assessment. It places the emphasis on expertise in the fields of health science and pharmacy and on the students' ability to tackle a pharmaceutical problem using a scientific approach.

The evaluation of certain seminars and work is aimed at appraising the incorporation of the different pharmacy disciplines by the students. Finally, the Master's programme culminates in an integrated interdisciplinary oral exam in which the student has to analyse a prescription for one or more medications from various pharmaceutical perspectives (in particular: chemistry, galenics and pharmacology).

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

Mobility and/or Internationalisation outlook

Apart from studying for a whole year at another university (mainly Erasmus scheme) the option courses (all or some) or certain placements and/or research seminars may be replaced by a placement abroad (Erasmus scheme or similar).

The course on Health Economics and Pharmacoeconomics (2 credits) is a new course developed in partnership with KULeuven and is to be held partly at both sites.

The different option courses are accessible to bachelors in pharmacy from other Belgian or foreign as well as bachelors from other schools and faculties at UCL or other Belgian or foreign universities, subject to the agreement from the admission committee (delphine.delhaye@uclouvain.be). The whole, or part of, the study programme for the Master in Pharmacy is open to foreign students under the Erasmus exchange scheme or other equivalents, subject to the agreement of the Erasmus coordinator (veronique.preat@uclouvain.be).

The Pharmacy School has ERASMUS agreements with the following universities :

