Specialized Master in Hospital Pharmacy

Programme mnemonic
MS-PHAP

Studies level
Advanced master

Learning language
french

Schedule
office hours

Studies category / subcategory
Health / Biomedical and pharmaceutical sciences

Campus
Outside campus ULB and Erasme

Programme objectives
The goal of the Advanced Master Degree in Hospital Pharmacy is to provide the students with the knowledge, the skills and the know-how enabling him to cope with the various problems likely to occur in the pharmacy of a hospital. The program teaches the pharmacist how to purchase, how to store, how to deliver, how to prepare drugs within the specific context of a hospital, in order to reach the best quality of care with the most efficient use of available resources. The program also trains the students to achieve the more specific goals imposed by the law in order to optimize the use of drugs in a hospital (clinical pharmacy and clinical care, quality insurance, therapeutical forms, pharmacovigilance, information, recommendations, applied research).

The program has been modified according to the recommendations of the European Advisory Committee on post-graduate studies in pharmacy. According to the Ministerial Decree of June 11 2003 (published in the Belgian Official Journal of July 8 2003) modified by the Ministerial Decree of October 22, 2012 (Belgian Official Journal of December 3, 2012), the degree is required to get an accreditation as a hospital pharmacist.

Programme's added value
The Advanced Master Degree in Hospital Pharmacy is a 3 parts program jointly managed by the Université libre de Bruxelles and the University of Liège. The program has been extensively modified and fully abides to the new regulations of the Ministerial Decree of October 22 2012 and the degree is required in order to get the accreditation as a hospital pharmacist. The program is rather wide and includes major aspects of clinical pharmacy as well as major concepts of pharmaceutical care.

Inside the country, the university has developed a network of general hospitals at various locations in the French-speaking part of Belgium.

Outside the country the university has developed international collaborations in hospital pharmacy (Switzerland, Canada).

Teaching methods
Ex cathedra courses, tutorials of problem based learning

International/Openness
The Université libre de Bruxelles has developed collaboration with the University of Geneva (Switzerland) and the University of Montreal (Canada).

Hospitals which are members of the network of the institutions collaborating with the Université libre de Bruxelles.

Job opportunities
Graduates receive the accreditation as hospital pharmacist.

Jury Presidents
Hugues MALONNE and Christine ERNES

Jury Secretaries
Pierre VAN ANTWERPEN and Corinne CHARLIER
Bloc 1 | MS-PHAP

Cours obligatoires

**PHAR-J600**

*Eléments d’organisation et gestion hospitalière* | Hugues MALONNE (Coordinator), Magali PIRSON, Nabil HAYEF, Viviane LIEVIN and Didier VAN CAILLIE

- 5 credits [lecture: 36h; project: 10h]
- First and second terms
- French

| Partim 1: Organisation et gestion | Théorie: 9h |
| Partim 2: Comptabilité et gestion financière | Théorie: 9h |
| Partim 3: Législation de pharmaco-matériovigilance | Théorie: 6h |
| Partim 4: Notion générales de management et gestion de la qualité | Théorie: 18h |

**PHAR-J601**

*Eléments de pharmacie hospitalière* | Marc DEMOULIN, Didier MAESEN and Serge VAN PRAET

- 5 credits [seminars: 12h]
- First term
- French

**PHAR-J606**

*Essais cliniques* | Fati KIRAKOYA (Coordinator) and Régis RADERMECKER

- 3 credits [lecture: 18h, seminars: 3h]
- First and second terms
- French

**PHAR-J608**

*Technologie pharmaceutique hospitalière* | Isabelle ROLAND and Bernard VAN GANSBEKE

- 5 credits [lecture: 24h, seminars: 3h]
- First term
- French

**PHAR-J609**

*Dispositifs médicaux y compris législation de pharmaco-matériovigilance* | Hugues MALONNE (Coordinator), Frédéric LECOMTE, Muriel MONS and Serge VAN PRAET

- 5 credits [lecture: 36h]
- First term
- French

**PHAR-J610**

*Thérapeutiques parentérales, techniques, médicales et chirurgicales et thérapie génique et cellulaire* | Camille HOORNAERT

- 5 credits [lecture: 30h]
- Second term
- French

**PHAR-J612**

*Aspects théoriques, applications thérapeutiques et diagnostiques* | Zéna WIMANA (Coordinator)

- 2 credits [lecture: 12h]
- First term
- French

**STAG-J600**

*Stages hospitaliers*

- 15 credits [work placement: 999h]
- First and second terms
- French

**STAG-J610**

*Stages hospitaliers*

- 15 credits [work placement: 999h]
- First and second terms
- French
Bloc 2 | MS-PHAP

Cours obligatoires

PHAR-J602  Lutte contre les infections et prévention | Baudouin BYL (Coordinator)
6 credits [lecture: 48h] | first term | French
- Partim 1: Compléments de microbiologie et hygiène hospitalière (Théorie: 18h)
- Partim 2: Stérilisation et désinfection (Théorie: 12h)
- Partim 3: Compléments de vaccinologie et d'antibiothérapie, y compris antibioprophylaxie (Théorie: 18h)

PHAR-J603  Physiopathologie et Pharmacothérapie avancée | Camille HOORNAERT
9 credits [lecture: 60h] | first term | French

PHAR-J604  Pharmacocinétique avancée et monitoring thérapeutique des médicaments | Corinne CHARLIER
3 credits [lecture: 12h] | first term | French

PHAR-J607  Pharmacie clinique | Camille HOORNAERT
7 credits [lecture: 30h, field trips: 24h] | second term | French

PHAR-J611  Techniques de diagnostic et produits de contraste
2 credits [lecture: 9h] | second term | French

PHAR-J613  Introduction à la recherche clinique et en milieu hospitalier | Sophie LORENT
3 credits [workshop: 12h] | second term | French

PHAR-J614  Dossier d'apprentissage | Sophie LORENT
10 credits [workshop: 3h, personal assignments: 66h] | first and second terms | French

STAG-J601  Stages hospitaliers
10 credits [work placement: 999h] | first and second terms | French

STAG-J620  Stages hospitaliers
10 credits [work placement: 999h] | first and second terms | French
Bloc 3 | MS-PHAP

Initi. à la rech. clin.

**MEMO-J600**  
Rédaction et défense du mémoire | Brigitte EVRARD and Sophie LORENT  
Ø 25 credits  ☑ second term  ☑ French

**PHAR-J615**  
Cours thématiques et séminaires | Camille HOORNAERT  
Ø 5 credits  ☑ second term  ☑ French

**PHAR-J616**  
Rédaction du protocole | Hugues MALONNE (Coordinator), Blaise DELHAUTEUR, Christine ERNES, Sophie LORENT and Serge VAN PRAET  
Ø 10 credits [lecture: 24h]  ☑ first term  ☑ French

**STAG-J602**  
Réalisation du projet | Camille HOORNAERT  
Ø 20 credits [work placement: 999h]  ☑ first and second terms  ☑ French