Specialized Master in Hospital Pharmacy

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 postgraduate 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
### Cours obligatoires

**PHAR-J600**  
**Eléments d’organisation et de gestion hospitalière**  
Hugues MALONNE (Coordinator) and Magali PIRSON  
- 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**  
- 5 credits [seminars: 12h]  
- first term  
- French

**PHAR-J606**  
**Essais cliniques**  
Fati KIRAKOYA (Coordinator) and Ouindpanga Samadoulougou  
- 3 credits [lecture: 18h, seminars: 3h]  
- first and second terms  
- French

- Partim 1: Méthodologie des essais cliniques et des études observationnelles (Théorie:12h)  
- Partim 2: Compléments de biostatistiques (Théorie:6h, Séminaires et exercices:3h)

**PHAR-J608**  
**Technologie pharmaceutique hospitalière**  
- 5 credits [lecture: 24h, seminars: 3h]  
- first term  
- French

**PHAR-J609**  
**Dispositifs médicaux y compris législation de pharmaco-matériovigilance**  
Hugues MALONNE (Coordinator)  
- 5 credits [lecture: 36h]  
- first term  
- French

**PHAR-J610**  
**Thérapeutiques parentérales, techniques, médicales et chirurgicales et thérapie génique et cellular**  
- 5 credits [lecture: 30h]  
- second term  
- French

**PHAR-J612**  
**Aspects théoriques, applications thérapeutiques et diagnostiques**  
Zéna WIMANA (Coordinator)  
- 2 credits [lecture: 15h]  
- first term  
- French

**STAG-J600**  
**Stages hospitaliers**  
- 15 credits [work placement: 999h]  
- first and second terms  
- French

**STAG-J610**  
**Stages hospitaliers**  
Pierre VAN ANTWERPEN (Coordinator)  
- 15 credits [work placement: 999h]  
- first and second terms  
- French
Specialized Master in Hospital Pharmacy

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 antibioprophyaxie (Théorie: 18h)

**PHAR-J603**  
*Physiopathologie et Pharmacothérapie avancée*  
9 credits [lecture: 60h]  
First term  
French

**PHAR-J604**  
*Pharmacocinétique avancée et monitoring thérapeutique des médicaments*  
3 credits [lecture: 12h]  
First term  
French

**PHAR-J607**  
*Pharmacie clinique* | Pierre VAN ANTWERPEN (Coordinator)  
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*  
3 credits [workshop: 12h]  
Second term  
French

**PHAR-J614**  
*Dossier d'apprentissage*  
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* | Pierre VAN ANTWERPEN (Coordinator)  
10 credits [work placement: 999h]  
First and second terms  
French
Specialized Master in Hospital Pharmacy

Bloc 3 | MS-PHAP

Initi. à la rech. clin.

MEMO-J600  Rédaction et défense du mémoire  
25 credits  
second term  
French

PHAR-J615  Cours thématiques et séminaires  
5 credits  
second term  
French

PHAR-J616  Rédaction du protocole  
10 credits  
first term  
French

STAG-J602  Réalisation du projet  
20 credits [work placement: 999h]  
first and second terms  
French