Master de spécialisation en public health methodology

Ce programme est donné en anglais.

Débouchés

Graduates enter careers in global health and national health policy and planning, academic and operational research, advisory roles in governments and international agencies. This one-year master enables health professionals to specialize in the understanding of diseases and of their determinants (epidemiology and biostatistics), organization and policy, systems and health services management (health economics, human relation management, quality and risk management, health planning and operational research) as well as the development of social approaches to health. Transversal skills will be developed such as research methodology, scientific writing and capitalization of public health actions.

Objectif des études

This programme is intended for public health professionals, health managers, who work at different levels of the health system. The main goal is to provide a large degree of autonomy in the use of public health methods to achieve the overall objective: « ensure methodological approaches and public health decision- makings, consistent with the needs of people, communities and individuals. » This specialized master thus highlights the methodologies for analysing and investigating major health issues, especially in developing countries, within a global health approach.

Cursus

This 60 credits (ECTS) programme, which covers different methodological aspects, is composed of a compulsory part (50 ECTS) and an optional part (10 to 25 ECTS among the 30 ECTS proposed).

The compulsory part of the program counts for 50 ECTS:

- Biostatistics (10 ECTS) and Epidemiology (5 ECTS)
- Qualitative methods and contextual factors in public health (5 ECTS)
- Health economics and quality management (5 ECTS)
- Planning and health system research and management (5 ECTS)
- Operational research and south lectures (5 ECTS)
- Master Thesis (15 ECTS)

The several optional teaching units are related to:

- Health surveys research (5 ECTS)
- Advanced methods in biostatistics and epidemiology (5 ECTS)
- The WHO strategy for incorporation of traditional medicine in healthcare (5 ECTS)
- Special research questions in public health (5 ECTS)
- Special research question in emergency situations (5 ECTS)
- Interdisciplinary seminars in translational medicine (5 ECTS)

For more information: https://www.ulb.ac.be/facs/esp/esp-en.html

Les + de la formation

The programme aims at developing knowledge and skills (competence based development) but also at helping students to turn what they learnt into action. At the end of this course, students will have acquired a large degree of autonomy in the use of public health methods and the transmission of this knowledge in professional life.

Méthodes d’enseignement

The programme consists in theoretical lectures, exercises as well as group or individual assignments and presentations to the class. At the end of the programme, the Master’s thesis consists in producing an individual work which will be an integration of the several methods and concepts viewed during the year.

International/Ouverture vers l’extérieur

In this programme, we have guest lecturer from the University of Liverpool; and as part of South Lectures, one or two guest...
lecturers, experts in the public health field, chosen among the partner countries of the Belgian non-governmental cooperation.

Aide à la réussite

Due to the size of the class, we are able to offer a close supervision. The students can be in continuous interaction with both the academic and administrative staff. The students which come from different contexts may face very different challenges. Therefore, individual and close tutelage can facilitate a dynamic learning. Basic aid may be available: in case of problems with computers for example, remedial sessions with student assistants can be arranged. It is also asked to the teachers to implement regular self-assessment devices so that learners can compare themselves to matter and objectify their limits in order to rectify the situation before the formal evaluations. Finally, through the collaborative climate established in the teachings, the barriers experienced by some learners could be lifted by the learners more comfortable in the concerned matter.
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**Année unique**

### Cours obligatoires bloc 1

**MEMO-L650**  
**Thesis**  
Katia CASTETBON (Coordonnateur), Fati KIRAKOYA, Annie ROBERT et Majda TALAMAKROUNI  
15 crédits [exercices dirigés: 48h, séminaires: 24h, travaux personnels: 108h]  
Anglais

**SAPU-L6513**  
**Epidemiology**  
Katia CASTETBON (Coordonnateur), Jean-Marie DEGRYSE et Séverine HENRARD  
5 crédits [cours magistral: 24h, exercices dirigés: 12h, travaux personnels: 24h]  
Anglais

**SAPU-L6521**  
**Qualitative methods and contextual factors in public health**  
Isabelle GODIN (Coordonnateur) et Katie BRISTOW  
5 crédits [cours magistral: 24h, exercices dirigés: 12h, travaux personnels: 24h]  
Anglais

**SAPU-L6522**  
**Operational research and South Lectures**  
Aline Labat (Coordonnateur) et Patrick MARTINY  
5 crédits [cours magistral: 24h, séminaires: 12h, travaux personnels: 24h]  
Anglais

**SAPU-L6525**  
**Biostatistics in public health : part I**  
Fati KIRAKOYA (Coordonnateur), Lionel Larcin et Majda TALAMAKROUNI  
5 crédits [cours magistral: 36h, exercices dirigés: 24h]  
Anglais

**SAPU-L6526**  
**Biostatistics in public health : part II**  
Fati KIRAKOYA (Coordonnateur) et Benoît BECK  
5 crédits [cours magistral: 24h, exercices dirigés: 24h, travaux personnels: 24h]  
Anglais

**SAPU-Y651**  
**Health economics & Quality management**  
Giuseppe PAGANO (Coordonnateur), Christian DELVOSALLE, Lahcen El Hiki et Frank VENMANS  
5 crédits [cours magistral: 44h, travaux personnels: 12h]  
Anglais

**SAPU-Y652**  
**Planning and Health System research & management**  
Patrick MARTINY (Coordonnateur), Mathieu Pleyers et André VANDENBERGHE  
5 crédits [cours magistral: 36h, exercices dirigés: 24h]  
Anglais

### Optional modules

De 10 à 25 crédits à choisir parmi

**BIME-G5505**  
**Interfaculty & interdisciplinary program in translational medicine**  
Hilde STEVENS (Coordonnateur)  
5 crédits [cours magistral: 40h, exercices dirigés: 20h]  
Anglais

**SAPU-L6623**  
**Health surveys research**  
Isabelle GODIN (Coordonnateur) et Katia CASTETBON  
5 crédits [cours magistral: 22h, exercices dirigés: 22h, travaux personnels: 12h]  
Anglais

**SAPU-Y661**  
**The WHO Strategy for incorporation of Traditional Medicine in healthcare**  
Pierre DUEZ (Coordonnateur)  
5 crédits [cours magistral: 12h, exercices dirigés: 12h, travaux personnels: 36h]  
Anglais

**SAPU-Y662**  
**Special research questions in public health**  
Annie ROBERT (Coordonnateur) et Sophie VANWAMBEKE  
5 crédits [cours magistral: 24h, exercices dirigés: 12h]  
Anglais

**SAPU-Y663**  
**Special research questions in emergency situations**  
Debarati GUHA-SAPIR (Coordonnateur), Jean-Marie DEGRYSE et Joris VAN LOENHOUT  
5 crédits [cours magistral: 36h, travaux personnels: 24h]  
Anglais

**SAPU-Y670**  
**Advanced methods in biostatistics and epidemiology**  
Nico SPEYBROECK (Coordonnateur) et Fati KIRAKOYA  
5 crédits [cours magistral: 32h, exercices dirigés: 20h, travaux personnels: 12h]  
Anglais