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 research, advisory roles in governments and international agencies.

By the variety of teaching methods and by the commitment of teachers and students, this Advanced Master will enable health professionals to specialize in the aspects of the fight against disease and for a better health (epidemiology and biostatistics), organization and policy, systems and health services management (health economics aspects, management, health planning and operational research) as well as the development of social approaches to health and transversal skills such as research methodology, scientific writing and capitalization of public health actions.

Objectif des études

The main objective is to provide a large degree of autonomy in the use of public health methods. This programme is addressed to researchers, public health professionals, health managers, who work at different levels of the health system, with a view to providing them with a specific skills needed for health system management and development of analytical and specialized approaches to strengthen their action strategies.

The targeted skills aim at the achievement of an overall objective which is to: “ensure methodological approaches and public health decision-makings, consistent with the needs of people, communities and individuals.” This Advanced Master thus highlights the methodologies of analysis and investigation of major health issues in developing countries and in a global health approach. It also intends to give to the students a sufficient basis for a systemic understanding of health issues as well as contextual and environmental factors that determine the answers to them.

Cursus

This 60 credits (ECTS) programme, which covers different methodological aspects, is composed of a compulsory part (50 ECTS) and an optional part (30 ECTS are proposed and the student must choose at least 10 - with a maximum of 25).

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 unites 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)

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, we have one or two guest lecturers chosen among experts in the public health field chosen among the partner countries of the Belgian non-governmental cooperation.

Evolution par bloc du cursus

La notion d’année d’études fait place à un système d’accumulation de crédits axé sur le programme individuel de l’étudiant. Le programme de cycle est proposé par découpe en blocs de 60 crédits. Les blocs de 60 crédits ainsi proposés peuvent suggérer le parcours « idéal » d’un étudiant inscrit dans ce programme.

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 et Annie ROBERT  
- 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, séminaires: 12h, travaux personnels: 24h)  
  ○ Anglais

**SAPU-L6522**  
**Operational research and South Lectures**  
Aline Labat (Coordonnateur), ISALINE GREINDL et Patrick MARTINY  
- 5 crédits (cours magistral: 24h, exercices dirigés: 12h, travaux personnels: 24h)  
  ○ Anglais

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

**SAPU-L6526**  
**Biostatistics in public health : part II**  
Christelle SENDERRE (Coordonnateur), Benoît BECK et Fati KIRAKOYA  
- 5 crédits (cours magistral: 24h, exercices dirigés: 12h, 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**

**SAPU-L6622**  
**Interdisciplinary seminars in translational medicine**  
Samia LAOKRI (Coordonnateur)  
- 5 crédits (séminaires: 60h)  
  ○ Anglais

**SAPU-L6623**  
**Health surveys research**  
Isabelle GODIN (Coordonnateur), Katia CASTETBON, Lydia GISLE et Jean TAFFOREAU  
- 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) et Jean-Marie DEGRYSE  
- 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