



MS-STME | 2023-2024

## Specialized Master in Public Health Methodology

### Programme mnemonic

MS-STME

### Studies level

Advanced master

### Learning language

english

### Schedule

office hours

### Studies category / subcategory

Health / Public Health

### Campus

Other campus and Erasme

## Programme objectives

The Specialized Master in Public Health Methodology aims at developing and reinforcing methodological skills of public health actors, with a focus on middle- and low-income countries issues but not limited to.

The programme is intended for various health professionals, who work at different levels of the health system: medical doctors; nurses and other paramedical with complementary training in research; social sciences professionals involved in public health; biostatisticians and public health researchers; decision makers and executives... The goal is to acquire high-quality scientific skills needed for the development of analytical and specialized approaches. The targeted skills tend towards the achievement of an overall objective intended to: "ensure methodological approaches and public health decision-makings, consistent with the needs of populations, communities and individuals."

## Programme's added value

This Specialized Master thus addresses methodologies of analysis and investigation of major health problems, including a global health approach. It also intends to give to the learners a strong basis for a systemic understanding of health problems as well as contextual and environmental factors that may determine answers to the main health issues.

Indeed, this training offers a strengthened specialization in quantitative methods (epidemiology and biostatistics), through applied learning using the tools necessary and that are subject to the final work (thesis). However, since such methods cannot be used alone in any public health perspective, other methods are addressed in complement and in a deep manner: analysis of contextual factors; analysis of health systems; epidemiology in conflict and emergency situations; research in NGOs; health economics; qualitative research; international rights and institutions...

## Teaching methods

The programme consists in lectures, practical exercises as well as in-group and individual assignments and presentations.

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 (biostatistics, epidemiology, public health systems...). It will be based on preexisting databases. A PhD project may also be prepared for the thesis evaluation with the support of teachers.

## International/Openness

Some lectures are given by invited experts, especially from middle- and low-income countries. Opportunities are also given to follow on one hand, local conferences and seminars (annual seminar of the Belgian Platform for International Health - Because Health) and on the other hand, French classes.

## Job opportunities

The future graduates will be able to develop, lead, implement and evaluate public health programmes and projects, in international institutions, ministries of health, hospitals, as managers of health districts or centers, researchers in universities, research institutes, and in the frame of international research projects for instance. The program is developed so that graduates will be operating in operational projects and/or scientific research.



### Contacts

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 <https://esp.ulb.be/fr/les-etudes/english-teaching>

### Jury President

Katia CASTETBON



# Specialized Master in Public Health Methodology

This 60 credits (ECTS) programme, which covers different methodological aspects, is composed of a compulsory part (50 ECTS) and an optional part (10 to 15 ECTS among the 15 ECTS proposed).

For more information : <https://esp.ulb.be/fr/les-etudes/english-teaching>

**Unique year** | MS-STME

## Cours obligatoires bloc 1

- MEMO-L650 **Thesis** | Katia CASTETBON (Coordinator) and Annie ROBERT  
⌚ 15 credits [tutorial classes: 24h, seminars: 48h, personal assignments: 156h] 📅 first and second terms 🗨 English
- SAPU-L6513 **Methods in Epidemiology** | Katia CASTETBON (Coordinator)  
⌚ 3 credits [lecture: 28h, tutorial classes: 8h] 📅 first term 🗨 English
- SAPU-L6525 **Biostatistics in public health : part I** | Samuel Salvaggio (Coordinator)  
⌚ 5 credits [lecture: 24h, tutorial classes: 36h] 📅 first term 🗨 English
- SAPU-L6526 **Biostatistics in public health : part II** | Bram VANHOUTTE (Coordinator) and Katia CASTETBON  
⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 second term 🗨 English
- SAPU-L6527 **Protocol development and health examination survey** | Isabelle GODIN (Coordinator) and Katia CASTETBON  
⌚ 2 credits [lecture: 12h, tutorial classes: 12h] 📅 first term 🗨 English
- SAPU-L6528 **Qualitative methods : data collection and analysis** | Sarah O'NEILL (Coordinator) and Chiemeka Onyeze-Joe  
⌚ 3 credits [lecture: 12h, tutorial classes: 12h, personal assignments: 12h] 📅 first term 🗨 English
- SAPU-L6529 **Health system & public health research** | Aline Labat (Coordinator)  
⌚ 4 credits [lecture: 12h, seminars: 36h] 📅 first term 🗨 English
- SAPU-L6530 **Research in health : dissemination & systematic reviews** | Katia CASTETBON (Coordinator)  
⌚ 2 credits [lecture: 12h, tutorial classes: 12h] 📅 second term 🗨 English
- SAPU-L6531 **Contextual factors in public health** | Isabelle GODIN (Coordinator)  
⌚ 1 credit [lecture: 12h] 📅 second term 🗨 English
- SAPU-Y651 **Health economics & Risk management** | Lahcen El Hiki (Coordinator)  
⌚ 5 credits [lecture: 48h, tutorial classes: 8h, personal assignments: 12h] 📅 second term 🗨 English
- SAPU-Y653 **Clinical-decision making** | Annie ROBERT (Coordinator)  
⌚ 2 credits [lecture: 15h, tutorial classes: 9h] 📅 first term 🗨 English
- SAPU-Y654 **Management of Health services** | Mathieu Pleyers (Coordinator)  
⌚ 3 credits [lecture: 24h, tutorial classes: 12h] 📅 first term 🗨 English

## Optional modules

*10 to 15 credits chosen from the following*

- SAPU-Y670 (optional) **Advanced methods in biostatistics and epidemiology** | Nico SPEYBROECK (Coordinator) and Fati KIRAKOYA  
⌚ 5 credits [lecture: 32h, tutorial classes: 20h, personal assignments: 8h] 📅 second term 🗨 English
- SAPU-Y671 (optional) **International health and rights : organizations and actors** | Pierre DUEZ (Coordinator)  
⌚ 5 credits [lecture: 39h, tutorial classes: 21h] 📅 first term 🗨 English
- SAPU-Y672 (optional) **Infectious & environmental diseases : epidemiology & prevention** | Sophie VANWAMBEKE (Coordinator) and Annie ROBERT  
⌚ 5 credits [lecture: 27h, tutorial classes: 17h, personal assignments: 16h] 📅 second term 🗨 English

