

At Bruxelles Woluwe - 60 credits - 1 year - Day schedule - In EnglishDissertation/Graduation Project : **YES** - Internship : **NO**Activities in English: **YES** - Activities in other languages : **NO**Activities on other sites : **YES**Main study domain : **Sciences de la santé publique**Organized by: **Faculty of Public Health (FSP)**Programme acronym: **MPHM2MC** - Francophone Certification Framework: 7**Table of contents**

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MPHM2MC - Introduction

Introduction

Introduction

Description :

The objective of this Advanced Master in Public Health Methodology is to provide a large degree of autonomy in the use of public health methods. The programme is addressed to 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 (operational research, health planning, health services research, health strategies and management). 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. 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.

Training content

This 60 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 and epidemiology
- Qualitative methods and contextual factors in public health
- Health economics and quality management
- Planning and health system research and management
- Operational research and south lectures
- Master Thesis

The several optional teaching units are related to :

- Health information system, interview and questionnaire surveys
- Advanced methods in biostatistics and epidemiology
- The WHO strategy for incorporation of traditional medicine in healthcare
- Special research questions in public health
- Special research question in emergency situations
- Interdisciplinary seminars in translational medicine

Your profile

This Advanced Master is open to a wide range of practitioners (public health executives, medical doctors, health economists, research workers in the biomedical sector, etc.).

This course is an Advanced Master degree which means a master subsequent to a previous master. Therefore the general admission requirement for the course is that the applicants must possess a diploma at least equivalent to a master degree (5 years of university education).

To be admitted, applicants must bear a 2nd cycle degree considered equivalent to 300 credits (minimum 5 years of study) by the Jury. If the degree represents only 240 credits (minimum 4 years of study), the candidate should have acquired 60 extra credits through other 2nd cycle studies or through some form of specialization, or must prove to have acquired the useful knowledge through personal or professional experience.

MPHM2MC - Teaching profile

Learning outcomes

MPHM2MC Programme

Detailed programme by subject

CORE COURSES [50.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- (FR) Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

○ Thesis (15 credits)

Les 3 activités sont organisées à l'ULB

○ WMPHM2500	Seminars of epidemiological methods		EN [q1 or q2] [0h+24h] [4 Credits]
○ WMPHM2511	Protocol development and health examination survey		EN [q1] [12h+16h] [5 Credits]
○ WMPHM2200	Integration of statistical and epidemiological methods	Annie Robert	EN [q2] [24h] [6 Credits]

○ Biostatistics in public health, part I (5 credits)

L'activité est organisée à l'ULB

○ WMPHM2502	Biostatistics in public health, part I		EN [q1] [24h+28h] [5 Credits]
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○ Biostatistics in public health, part II (5 credits)

Les 2 activités sont organisées à l'ULB

○ WMPHM2504	Biostatistics in public health: multivariate analysis		EN [q2] [24h+16h] [3 Credits]
○ WMPHM2505	Sampling methods: theory and practice		EN [q2] [12h+8h] [2 Credits]

○ Epidemiology (5 credits)

Les 2 activités sont organisées à l'ULB

○ WMPHM2201	Epidemiological methods	Séverine Henrard	EN [q1] [12h+12h] [3 Credits]
○ WMPHM2202	Clinical epidemiology	Séverine Henrard	EN [q1] [12h] [2 Credits]

○ Qualitative methods and contextual factors in public health (5 credits)

Les 2 activités sont organisées à l'ULB

○ WMPHM2506	Qualitative methods: data collection and analysis		EN [q2] [12h+12h] [3 Credits]
○ WMPHM2507	Contextual factors in public health		EN [q2] [12h] [2 Credits]

o Health economics & Quality management (5 credits)*Les 2 activités sont organisées à l'UMONS*

o WMPHM2600	Health economics		EN [q2] [20h] [2 Credits]
o WMPHM2601	Quality management and risk in healthcare facilities		EN [q2] [28h] [3 Credits]

o Operational research (5 credits)*Les 2 activités sont organisées à l'ULB*

o WMPHM2508	Applications to low - and middle - income countries		EN [q2] [0h+24h] [1 Credits]
o WMPHM2509	Health services, strategies and evaluation		EN [q2] [12h+24h] [4 Credits]

o Planning and health system research & management (5 credits)*Les 3 activités sont organisées à l'ULB*

o WMPHM2602	Health system management and strengthening		EN [q1] [12h+12h] [2 Credits]
o WMPHM2603	Hospital management		EN [q1] [12h+12h] [2 Credits]
o WMPHM2605	Principes of management and human relation management		EN [q1] [12h] [1 Credits]

Optional modules [10.0]

OPTIONAL MODULES [10.0]

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊙ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

Click on the course title to see detailed informations (objectives, methods, evaluation...)

Optional ECTS - Minimum 10, maximum 25 (to obtain 75 ECTS on the whole)

○ Content:

⊗ The WHO Strategy for incorporation of traditional medicine in healthcare (5 credits)

L'activité est organisée à l'UMONS

○ WMPHM2604	The who strategy for incorporation of Traditional Medicine in healthcare		EN [q1] [12h+12h] [5 Credits]
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⊗ Advanced methods in biostatistics and epidemiology (5 credits)

○ WFSP2238P	Advanced epidemiology (UCL)		EN [q2] [20h+16h] [4 Credits]
○ WMPHM2512	Advanced biostatistic: meta-analysis		EN [q2] [16h+8h] [1 Credits]

⊗ Special research questions in public health (5 credits)

Les 2 activités sont organisées à l'UCL

○ WMPHM2203	Clinical trials and vaccine development studies: phases I to IV, plus survival analysis with Cox regression	Annie Robert	EN [q2] [16h+8h] [3 Credits]
○ WMPHM2204	Impact of environment on health in developing countries with disease mapping and multilevel analysis methods	Sophie Vanwambeke	EN [q2] [6h+6h] [2 Credits]

⊗ Special research questions in emergency situations (5 credits)

Les 2 activités sont organisées à l'UCL

○ WMPHM2205	Clinimetrics: scales and instrumental variables to measure health outcomes		EN [q2] [24h] [3 Credits] △
○ WMPHM2206	Applications of epidemiological methods in post conflict and disaster settings	Maria Rodrigues Leal Moitinho De Almeida	EN [q2] [12h] [2 Credits]

The programme's courses and learning outcomes

For each UCLouvain training programme, a [reference framework of learning outcomes](#) specifies the the skills expected of every graduate on completion of the programme. Course unit descriptions specify targeted learning outcomes, as well as the unit's contribution to reference framework of learning outcomes.

MPHM2MC - Information

Access Requirements

*In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.
Decree of 7 November 2013 defining the landscape of higher education and the academic organization of studies.
The admission requirements must be met prior to enrolment in the University.*

In the event of the divergence between the different linguistic versions of the present conditions, the French version shall prevail.

SUMMARY

- [General access requirements](#)

General access requirements

Subject to the general requirements laid down by the academic authorities, admission to the specialized Master's degree programme will be granted to students who fulfil the entry requirements for studies leading to the award of a Master's (second-cycle) degree and who hold a second-cycle diploma, degree, certificate or other qualification issued within or outside the French Community of Belgium, or whose prior learning or experience has been accredited by the Examination Board as being equivalent to at least 300 credits.

Evaluation

*The evaluation methods comply with the **regulations concerning studies and exams** (<https://uclouvain.be/fr/decouvrir/rgee.html>). More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".*

Contacts

Curriculum Management

Faculty

Structure entity	SSS/FSP
Denomination	Faculty of Public Health (FSP)
Sector	Health Sciences (SSS)
Acronym	FSP
Postal address	Clos Chapelle-aux-champs 30 - bte B1.30.02 1200 Woluwe-Saint-Lambert Tel: +32 (0)2 764 34 39 - Fax: +32 (0)2 764 34 35

Mandate(s)

- Dean : Sophie Thunus

Commission(s) of programme

- Commission de programme du master complémentaire en médecine du travail (MDTE)
- Commission programme master de spécialisation en méthodologie de la santé publique-Specialized master in public health methodology (MPHM)
- Commission de programme du master en santé publique, finalité spécialisée (MSPS)
- Commission de programme MS en santé publique, analyse et évaluation des politiques, programmes et systèmes de santé internationale (SPIN)

Academic supervisor: [Annie Robert](https://uclouvain.be/repertoires/annie.robert) (<https://uclouvain.be/repertoires/annie.robert>)

Useful Contact(s)

- Responsable administrative de faculté: [Gaelle Tiberghien](https://uclouvain.be/repertoires/gaelle.tiberghien) (<https://uclouvain.be/repertoires/gaelle.tiberghien>)
- Responsable administrative ULB (Tel: +3225554013): catherine.ververis@ulb.ac.be

