



Master in Public Health

Focus Management of healthcare institutions and services (working schedule)

This formation is organized in flexible hours.

Programme mnemonic

MA-SAPU

> Focus *Management of healthcare institutions and services (working schedule)* : M-SAPUG

Exists also in

- > Focus *Epidemiology and biostatic* : M-SAPUB
- > Focus *Environmental Health* : M-SAPUE
- > Focus *Politics, systems and promotion of health* : M-SAPUH

Studies level

Master 120 credits

Learning language

french

Schedule

flexible hours

Studies category / subcategory

Health / Public Health

Campus

Erasme

sciences, pedagogy, hygiene, epidemiology, management, politics, communication, etc.

Programme's added value

The School of Public Health is part of ULB's 'Health Pole and is located on the Erasmus Campus, at the crossroads of a number of very diverse fields and disciplines with an extremely high level of expertise in health care (whether for research, training, or health care structures).

A key factor of life at the School is the variety of backgrounds among the students, researchers, and teachers, who are all from different origins and walks of life, providing a valuable network of contacts in both the Northern and Southern hemispheres.

The Master has 4 orientations:

- > Biostatistics and epidemiology

This orientation gives students comprehensive knowledge and a set of methods used in statistics, epidemiology, operational research, and clinical research, including quantitative analysis methods. Students are trained to use computers applications designed for public health and medicine.

- > Health services management

In this orientation, students are trained to develop the skills required to manage responsibilities in health care services (hospitals, day care units, rest and care homes, rehabilitation structures). Those responsibilities could be either managerial or clinical ones.

- > Health systems policies and health promotion

Students can decide to specialise in health promotion or in the analysis of health systems. In this orientation they acquire knowledge, skills, and methodologies that enable them to work on health systems or carry out situational analysis, decision-making or research activities. The main topics are related to designing and planning programmes, decision-making, epidemiology, and health information systems. As future public health professionals, students are trained to

Programme objectives

The goal of the Master in Public Health is to train public health professionals with a multi-faceted skill profile. Graduates of the programme will be able to draw up, implement, and assess projects related to health care and qualitative and/or quantitative research. They will also be able to manage and analyse databases and make use of health information in decision-making, and will possess the knowledge of epidemiology and methods (in terms of statistics and information technology) required to implement their decisions. They will also be able to provide training in health care management and environmental health.

Studying public health involves an interdisciplinary approach: biostatistics, law, economy, sociology, psychology, food



assess community (locally or at a higher level) health needs, to establish an epidemiological, environmental, political, and pedagogical diagnosis. They will be able to develop and plan health programmes and projects, and to coordinate and manage preventive, curative, and rehabilitation activities in the fields of health education and promotion. They also learn how to evaluate such programmes.

> Environmental health

Courses in this orientation provide the students with the knowledge and methods (environmental studies, socio-political and legal aspects, epidemiological aspects) required to study environmental health, acquire the required skills to analyse situations, take decisions, and launch activities and research projects.

Teaching methods

Learning sessions are grouped into research units, which cover various activities: lectures, seminars, training courses, or projects. They can be conventional classroom activities or e-learning.

Succeed in your studies

Choose

The information and guidance counsellors at the InfOR-études [<https://www.ulb.be/en/studies-info-desk-1>] service will help you choose your studies throughout the year.

Succeed

Take part in preparatory courses [<https://www.ulb.be/en/studies-info-desk-1>] or get help to succeed [<https://www.ulb.be/en/studies-info-desk-1>], before or during your studies.

Get help

Apply for financial aid, look for accommodation or a student job, get support [<https://www.ulb.be/fr/aides-services-et-accompagnement/aid-services-and-support-1>] for your specific needs.

Job opportunities

The programme offers many opportunities in research (public or private organisations), health services, research units, public health institutions, health observatories; NGO's and international institutions

Contacts

 Magali.Pirson@ulb.be

Jury President

Philippe VAN WILDER

Jury Secretary

Céline Mahieu



Master in Public Health

Focus Management of healthcare institutions and services (working schedule)

The Master in Public Health is a master with a professional focus that prepares students to work in public health; it is suited to industrialised as well as developing countries.

Students in this programme can choose one of four specialisations. The common core includes courses totalling 60 credits -including internships, interdisciplinary seminars, and master thesis- and specialised courses to be chosen in one of the four following orientations:

- > Biostatistics and epidemiology
- > Health services management
- > Health systems policies and health promotion
- > Environmental health

The focus on health systems management offers three options: health services management, nursing unit management, and clinical nursing sciences.

Bloc 1 | M-SAPUG | MA-SAPU

Cours obligatoires

Coordinatrice : Magali PIRSON

- | | |
|------------|--|
| DROI-L4110 | Législation appliquée aux institutions de soins Thérèse LOCOGE (Coordinator) and Yasmine LAMBERT
⌚ 5 credits [lecture: 24h, personal assignments: 36h] 📅 second term 🗨️ French |
| GEST-L4110 | Evaluation de la performance des institutions de soins Dan Lecocq (Coordinator), Jonathan BRAUNER and Baudouin BYL
⌚ 5 credits [lecture: 36h, tutorial classes: 12h] 📅 second term 🗨️ French |
| GEST-L4112 | Stratégie hospitalière et marketing Stéphane RILLAERTS (Coordinator) and Sophie BRICHARD
⌚ 5 credits [lecture: 36h, personal assignments: 24h] 📅 second term 🗨️ French |
| GEST-L4113 | Gestion des ressources humaines Véronique GUILMOT (Coordinator)
⌚ 5 credits [lecture: 12h, tutorial classes: 36h, personal assignments: 12h] 📅 second term 🗨️ French |
| GEST-L5310 | Gestion de l'information médicale Thierry Klein (Coordinator), Nancy ABBELOOS and Thérèse LOCOGE
⌚ 5 credits [lecture: 48h, personal assignments: 12h] 📅 first term 🗨️ French |
| SAPU-L4012 | Méthodes quantitatives en santé publique, y compris Démographie Bram VANHOUTTE (Coordinator)
⌚ 5 credits [lecture: 36h, tutorial classes: 24h] 📅 first term 🗨️ French |
| SAPU-L4013 | Méthodes qualitatives en santé publique Céline MAHIEU (Coordinator)
⌚ 5 credits [lecture: 24h, tutorial classes: 24h, personal assignments: 12h] 📅 second term 🗨️ French |
| SAPU-L4021 | Problèmes de santé et environnement Catherine BOULAND (Coordinator), Yves COPPIETERS' T WALLANT and Philippe DONNEN
⌚ 5 credits [lecture: 36h, personal assignments: 24h] 📅 first term 🗨️ French |
| SAPU-L4022 | Facteurs socio-économiques, psychosociaux et promotion de la santé Céline MAHIEU (Coordinator), Isabelle GODIN and Sandra TRICAS-SAURAS
⌚ 5 credits [lecture: 36h, personal assignments: 24h] 📅 second term 🗨️ French |
| SAPU-L4023 | Politiques, systèmes et économie de la santé Philippe VAN WILDER (Coordinator) and Dimitri Renmans
⌚ 5 credits [lecture: 36h] 📅 first term 🗨️ French |
| SAPU-L4024 | Concepts et méthodes en santé publique Philippe DONNEN (Coordinator) and Isabelle GODIN
⌚ 5 credits [lecture: 48h, tutorial classes: 12h] 📅 first term 🗨️ French |

A total of five credits chosen from the following

ENVI-F5002 <small>(optional)</small>	Psychologie de l'environnement, et de la communication Sabine POHL (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
ENVI-L5211 <small>(optional)</small>	Etudes de cas : urbanisme, aménagement du territoire, environnement et santé Catherine BOULAND (Coordinator) ⌚ 5 credits [practical work: 12h, seminars: 15h, personal assignments: 33h] 📅 first term 🗨 French
GEST-L5234 <small>(optional)</small>	Développement du pouvoir d'agir du patient Dan Lecocq (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, seminars: 12h, personal assignments: 12h] 📅 first and second terms 🗨 French
GEST-L5311 <small>(optional)</small>	Gestion architecturale des espaces dans les institutions de santé Marie-Pierre TOURNEUR (Coordinator) ⌚ 5 credits [lecture: 12h, tutorial classes: 12h, personal assignments: 36h] 📅 first term 🗨 French
GEST-L5316 <small>(optional)</small>	Evaluation des technologies de santé en milieu hospitalier Philippe VAN WILDER (Coordinator) ⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 second term 🗨 French
INFO-L402 <small>(optional)</small>	Logiciels d'analyse de données en santé Fati KIRAKOYA (Coordinator) ⌚ 5 credits [lecture: 18h, tutorial classes: 18h, personal assignments: 24h] 📅 second term 🗨 French
SAPU-L4122 <small>(optional)</small>	Du projet aux résultats Fati KIRAKOYA (Coordinator) and Ouindpanga Samadoulougou ⌚ 5 credits [lecture: 27h, personal assignments: 33h] 📅 second term 🗨 French
SAPU-L4123 <small>(optional)</small>	Géographie de la santé Fati KIRAKOYA (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨 French
SAPU-L4310 <small>(optional)</small>	Santé des populations et milieux de vie Isabelle GODIN (Coordinator) and Sandra TRICAS-SAURAS ⌚ 5 credits [lecture: 36h, personal assignments: 24h] 📅 second term 🗨 French
SAPU-L5312 <small>(optional)</small>	Vie finissante, santé communautaire : philosophies et religions Marc MAYER (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
SAPU-L5314 <small>(optional)</small>	Méthodes d'analyse exploratoire multidimensionnelle Bram VANHOUTTE (Coordinator) ⌚ 5 credits [lecture: 16h, tutorial classes: 16h, personal assignments: 12h] 📅 second term 🗨 French
SAPU-L8010 <small>(optional)</small>	Ergonomie Jean-Pierre REZETTE (Coordinator) and Nathalie Cock ⌚ 5 credits [lecture: 36h] 📅 second term 🗨 French
SAPU-L9011 <small>(optional)</small>	Risques en radiations ionisantes et radioprotection Jean-Louis GREFFE (Coordinator) ⌚ 5 credits [lecture: 24h, personal assignments: 36h] 📅 second term 🗨 French
TRAN-F201 <small>(optional)</small>	Introduction aux enjeux de la durabilité Wouter ACHTEN (Coordinator) and Chiara ARMENI ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French



Master in Public Health

Focus Management of healthcare institutions and services (working schedule)

Bloc 2 | M-SAPUG | MA-SAPU

Cours obligatoires

Coordinatrice : Magali PIRSON

- GEST-L5111 [Financement hospitalier, Contrôle de gestion et budgétisation](#) | Magali PIRSON (Coordinator) and Yves SMEETS
⌚ 5 credits [lecture: 36h, tutorial classes: 12h, personal assignments: 12h] 📅 second term 🗨 French
- GEST-L5112 [Comptabilité analytique hospitalière](#) | Magali PIRSON (Coordinator)
⌚ 5 credits [lecture: 42h, tutorial classes: 18h, personal assignments: 12h] 📅 first term 🗨 French
- MEMO-L504 [Mémoire - Gestion des établissements et services de soins](#) | Isabelle GODIN (Coordinator), Philippe DONNEN and Magali PIRSON
⌚ 15 credits [lecture: 12h, tutorial classes: 12h] 📅 academic year 🗨 French

An option chosen from :

- M-SAPUG-A [Option Gestion des hôpitaux, MRS, MRPA](#) > *page*
- M-SAPUG-B [Option Gestion des départements infirmiers et services de soins](#) > *page*
- M-SAPUG-D [Option Fondements de la recherche en sciences infirmières](#) > *page*

Master in Public Health

Options | MA-SAPU

Option Gestion des hôpitaux, MRS, MRPA | M-SAPUG-A

Bloc 2

- GEST-L5210** (option) **Gestion des MRPA et MRS - module 1** | José PINCE (Coordinator), Caroline Delo and Jean-Pierre HEYNEN
 5 credits [lecture: 12h, tutorial classes: 24h, personal assignments: 24h] 📅 first term 🗨️ French
- GEST-L5211** (option) **Gestion des MRPA et MRS - module 2** | José PINCE (Coordinator), Caroline Delo and Jean-Pierre HEYNEN
 5 credits [lecture: 12h, tutorial classes: 24h, personal assignments: 24h] 📅 second term 🗨️ French
- GEST-L5212** (option) **Analyse financière, gestion des investissements et de la trésorerie** | Sophie BRICHARD (Coordinator)
 5 credits [lecture: 24h, personal assignments: 36h] 📅 first term 🗨️ French
- GEST-L5213** (option) **Gestion opérationnelle dans les institutions de soins** | Joël DE WIT (Coordinator)
 5 credits [lecture: 12h, tutorial classes: 12h, seminars: 12h, personal assignments: 24h] 📅 first term 🗨️ French
- SAPU-L589** (option) **Stages - Gestion des établis. et services de soins - MRS/MRPA, y compris les sémin. transversaux** | Magali PIRSON (Coordinator)
 10 credits [seminars: 12h, work placement: 168h, personal assignments: 120h] 📅 second term 🗨️ French

A total of five credits chosen from the following

- ENVI-F5002** (option/optional) **Psychologie de l'environnement, et de la communication** | Sabine POHL (Coordinator)
 5 credits [lecture: 24h] 📅 first term 🗨️ French
- ENVI-L5211** (option/optional) **Etudes de cas : urbanisme, aménagement du territoire, environnement et santé** | Catherine BOULAND (Coordinator)
 5 credits [practical work: 12h, seminars: 15h, personal assignments: 33h] 📅 first term 🗨️ French
- GEST-L5221** (option/optional) **Qualité des soins, sécurité des patients et gestion des risques** | Anne-Dominique PETIT (Coordinator) and Isabelle CAMBIER
 5 credits [lecture: 31h, tutorial classes: 5h, personal assignments: 24h] 📅 first term 🗨️ French
- GEST-L5232** (option/optional) **Fondements de la discipline infirmière (Ethique, déontologie, législation)** | Dan Lecocq (Coordinator)
 5 credits [lecture: 24h, tutorial classes: 12h, personal assignments: 24h] 📅 first term 🗨️ French
- GEST-L5234** (option/optional) **Développement du pouvoir d'agir du patient** | Dan Lecocq (Coordinator)
 5 credits [lecture: 24h, tutorial classes: 12h, seminars: 12h, personal assignments: 12h] 📅 first and second terms 🗨️ French
- GEST-L5311** (option/optional) **Gestion architecturale des espaces dans les institutions de santé** | Marie-Pierre TOURNEUR (Coordinator)
 5 credits [lecture: 12h, tutorial classes: 12h, personal assignments: 36h] 📅 first term 🗨️ French
- GEST-L5316** (option/optional) **Evaluation des technologies de santé en milieu hospitalier** | Philippe VAN WILDER (Coordinator)
 5 credits [lecture: 12h, tutorial classes: 12h] 📅 second term 🗨️ French
- INFO-L402** (option/optional) **Logiciels d'analyse de données en santé** | Fati KIRAKOYA (Coordinator)
 5 credits [lecture: 18h, tutorial classes: 18h, personal assignments: 24h] 📅 second term 🗨️ French
- SAPU-L4122** (option/optional) **Du projet aux résultats** | Fati KIRAKOYA (Coordinator) and Ouindpanga Samadoulougou
 5 credits [lecture: 27h, personal assignments: 33h] 📅 second term 🗨️ French
- SAPU-L4123** (option/optional) **Géographie de la santé** | Fati KIRAKOYA (Coordinator)
 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨️ French
- SAPU-L4310** (option/optional) **Santé des populations et milieux de vie** | Isabelle GODIN (Coordinator) and Sandra TRICAS-SAURAS
 5 credits [lecture: 36h, personal assignments: 24h] 📅 second term 🗨️ French
- SAPU-L5312** (option/optional) **Vie finissante, santé communautaire : philosophies et religions** | Marc MAYER (Coordinator)
 5 credits [lecture: 24h] 📅 second term 🗨️ French

SAPU-L5314 <small>(option/optional)</small>	Méthodes d'analyse exploratoire multidimensionnelle Bram VANHOUTTE (Coordinator) ⌚ 5 credits [lecture: 16h, tutorial classes: 16h, personal assignments: 12h] 📅 second term 🗨️ French
SAPU-L592 <small>(option/optional)</small>	Compléments au stage ⌚ 5 credits [work placement: 60h, personal assignments: 60h] 📅 second term 🗨️ French
SAPU-L8010 <small>(option/optional)</small>	Ergonomie Jean-Pierre REZETTE (Coordinator) and Nathalie Cock ⌚ 5 credits [lecture: 36h] 📅 second term 🗨️ French
SAPU-L9011 <small>(option/optional)</small>	Risques en radiations ionisantes et radioprotection Jean-Louis GREFFE (Coordinator) ⌚ 5 credits [lecture: 24h, personal assignments: 36h] 📅 second term 🗨️ French
TRAN-F201 <small>(option/optional)</small>	Introduction aux enjeux de la durabilité Wouter ACHTEN (Coordinator) and Chiara ARMENI ⌚ 5 credits [lecture: 24h] 📅 second term 🗨️ French

Option Gestion des départements infirmiers et services de soins | M-SAPUG-B

Bloc 2

GEST-L5220 <small>(option)</small>	Management et organisation des unités de soins et des départements infirmiers Isabelle CAMBIER (Coordinator) and Dominique GAINVORSTE ⌚ 5 credits [lecture: 36h, tutorial classes: 12h] 📅 second term 🗨️ French
GEST-L5221 <small>(option)</small>	Qualité des soins, sécurité des patients et gestion des risques Anne-Dominique PETIT (Coordinator) and Isabelle CAMBIER ⌚ 5 credits [lecture: 31h, tutorial classes: 5h, personal assignments: 24h] 📅 first term 🗨️ French
SAPU-L586 <small>(option)</small>	Stages - Gestion des établiss. et services de soins - Départ. infirmier, y compris les sém. transver Magali PIRSON (Coordinator) ⌚ 10 credits [seminars: 12h, work placement: 168h, personal assignments: 120h] 📅 second term 🗨️ French

A total of 15 credits chosen from the following

ENVI-F5002 <small>(option/optional)</small>	Psychologie de l'environnement, et de la communication Sabine POHL (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨️ French
ENVI-L5211 <small>(option/optional)</small>	Etudes de cas : urbanisme, aménagement du territoire, environnement et santé Catherine BOULAND (Coordinator) ⌚ 5 credits [practical work: 12h, seminars: 15h, personal assignments: 33h] 📅 first term 🗨️ French
GEST-L5232 <small>(option/optional)</small>	Fondements de la discipline infirmière (Ethique, déontologie, législation) Dan Lecocq (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, personal assignments: 24h] 📅 first term 🗨️ French
GEST-L5234 <small>(option/optional)</small>	Développement du pouvoir d'agir du patient Dan Lecocq (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, seminars: 12h, personal assignments: 12h] 📅 first and second terms 🗨️ French
GEST-L5311 <small>(option/optional)</small>	Gestion architecturale des espaces dans les institutions de santé Marie-Pierre TOURNEUR (Coordinator) ⌚ 5 credits [lecture: 12h, tutorial classes: 12h, personal assignments: 36h] 📅 first term 🗨️ French
GEST-L5316 <small>(option/optional)</small>	Evaluation des technologies de santé en milieu hospitalier Philippe VAN WILDER (Coordinator) ⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 second term 🗨️ French
INFO-L402 <small>(option/optional)</small>	Logiciels d'analyse de données en santé Fati KIRAKOYA (Coordinator) ⌚ 5 credits [lecture: 18h, tutorial classes: 18h, personal assignments: 24h] 📅 second term 🗨️ French
SAPU-L4122 <small>(option/optional)</small>	Du projet aux résultats Fati KIRAKOYA (Coordinator) and Ouindpanga Samadoulougou ⌚ 5 credits [lecture: 27h, personal assignments: 33h] 📅 second term 🗨️ French
SAPU-L4123 <small>(option/optional)</small>	Géographie de la santé Fati KIRAKOYA (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨️ French
SAPU-L4310 <small>(option/optional)</small>	Santé des populations et milieux de vie Isabelle GODIN (Coordinator) and Sandra TRICAS-SAURAS ⌚ 5 credits [lecture: 36h, personal assignments: 24h] 📅 second term 🗨️ French



SAPU-L5312 (option/optional)	Vie finissante, santé communautaire : philosophies et religions Marc MAYER (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
SAPU-L5314 (option/optional)	Méthodes d'analyse exploratoire multidimensionnelle Bram VANHOUTTE (Coordinator) ⌚ 5 credits [lecture: 16h, tutorial classes: 16h, personal assignments: 12h] 📅 second term 🗨 French
SAPU-L592 (option/optional)	Compléments au stage ⌚ 5 credits [work placement: 60h, personal assignments: 60h] 📅 second term 🗨 French
SAPU-L8010 (option/optional)	Ergonomie Jean-Pierre REZETTE (Coordinator) and Nathalie Cock ⌚ 5 credits [lecture: 36h] 📅 second term 🗨 French
SAPU-L9011 (option/optional)	Risques en radiations ionisantes et radioprotection Jean-Louis GREFFE (Coordinator) ⌚ 5 credits [lecture: 24h, personal assignments: 36h] 📅 second term 🗨 French
TRAN-F201 (option/optional)	Introduction aux enjeux de la durabilité Wouter ACHTEN (Coordinator) and Chiara ARMENI ⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French

Option Fondements de la recherche en sciences infirmières | M-SAPUG-D

Bloc 2

GEST-L5221 (option)	Qualité des soins, sécurité des patients et gestion des risques Anne-Dominique PETIT (Coordinator) and Isabelle CAMBIER ⌚ 5 credits [lecture: 31h, tutorial classes: 5h, personal assignments: 24h] 📅 first term 🗨 French
GEST-L5230 (option)	Recherche en sciences infirmières (Epistémologie et démarche clinique) Dan Lecocq (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, personal assignments: 24h] 📅 first term 🗨 French
GEST-L5232 (option)	Fondements de la discipline infirmière (Ethique, déontologie, législation) Dan Lecocq (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, personal assignments: 24h] 📅 first term 🗨 French
SAPU-L590 (option)	Stages - Gestion des établis. serv de soins - Sc. et Cliniques infirm., y compris les sém. transver. Dan Lecocq (Coordinator) ⌚ 10 credits [seminars: 12h, work placement: 168h, personal assignments: 120h] 📅 second term 🗨 French

A total of ten credits chosen from the following

ENVI-F5002 (option/optional)	Psychologie de l'environnement, et de la communication Sabine POHL (Coordinator) ⌚ 5 credits [lecture: 24h] 📅 first term 🗨 French
ENVI-L5211 (option/optional)	Etudes de cas : urbanisme, aménagement du territoire, environnement et santé Catherine BOULAND (Coordinator) ⌚ 5 credits [practical work: 12h, seminars: 15h, personal assignments: 33h] 📅 first term 🗨 French
GEST-L5234 (option/optional)	Développement du pouvoir d'agir du patient Dan Lecocq (Coordinator) ⌚ 5 credits [lecture: 24h, tutorial classes: 12h, seminars: 12h, personal assignments: 12h] 📅 first and second terms 🗨 French
GEST-L5311 (option/optional)	Gestion architecturale des espaces dans les institutions de santé Marie-Pierre TOURNEUR (Coordinator) ⌚ 5 credits [lecture: 12h, tutorial classes: 12h, personal assignments: 36h] 📅 first term 🗨 French
GEST-L5316 (option/optional)	Evaluation des technologies de santé en milieu hospitalier Philippe VAN WILDER (Coordinator) ⌚ 5 credits [lecture: 12h, tutorial classes: 12h] 📅 second term 🗨 French
INFO-L402 (option/optional)	Logiciels d'analyse de données en santé Fati KIRAKOYA (Coordinator) ⌚ 5 credits [lecture: 18h, tutorial classes: 18h, personal assignments: 24h] 📅 second term 🗨 French
SAPU-L4122 (option/optional)	Du projet aux résultats Fati KIRAKOYA (Coordinator) and Ouindpanga Samadoulougou ⌚ 5 credits [lecture: 27h, personal assignments: 33h] 📅 second term 🗨 French
SAPU-L4123 (option/optional)	Géographie de la santé Fati KIRAKOYA (Coordinator) ⌚ 5 credits [lecture: 30h, tutorial classes: 30h] 📅 second term 🗨 French
SAPU-L4310 (option/optional)	Santé des populations et milieux de vie Isabelle GODIN (Coordinator) and Sandra TRICAS-SAURAS ⌚ 5 credits [lecture: 36h, personal assignments: 24h] 📅 second term 🗨 French



- SAPU-L5312
(option/optional) **Vie finissante, santé communautaire : philosophies et religions** | Marc MAYER (Coordinator)
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French
- SAPU-L5314
(option/optional) **Méthodes d'analyse exploratoire multidimensionnelle** | Bram VANHOUTTE (Coordinator)
⌚ 5 credits [lecture: 16h, tutorial classes: 16h, personal assignments: 12h] 📅 second term 🗨 French
- SAPU-L592
(option/optional) **Compléments au stage**
⌚ 5 credits [work placement: 60h, personal assignments: 60h] 📅 second term 🗨 French
- SAPU-L8010
(option/optional) **Ergonomie** | Jean-Pierre REZETTE (Coordinator) and Nathalie Cock
⌚ 5 credits [lecture: 36h] 📅 second term 🗨 French
- SAPU-L9011
(option/optional) **Risques en radiations ionisantes et radioprotection** | Jean-Louis GREFFE (Coordinator)
⌚ 5 credits [lecture: 24h, personal assignments: 36h] 📅 second term 🗨 French
- TRAN-F201
(option/optional) **Introduction aux enjeux de la durabilité** | Wouter ACHTEN (Coordinator) and Chiara ARMENI
⌚ 5 credits [lecture: 24h] 📅 second term 🗨 French