SBIM2M - Introduction

Introduction

i.e.:

- recognise their errors and correct them;

- quote their sources and avoid plagiarism;

- understand and apply the rules relating to experimentation.

5.c Develop their learning by cultivating scientific curiosity and participate in the dissemination of knowledge based on robust scientific thinking.
5.d Understand the rules of scientific publication.

6. If they choose the Research focus: display command of the specific knowledge base and conduct an original research project in a specialist field of biomedicine

6.a Have a comprehensive understanding of the fundamental principles and concepts of one of the following areas of biomedicine: molecular and cellular pathophysiology, cancerology or neuroscience; understand the diagnostic and therapeutic developments associated with the chosen field.
6.b Understand the constraints on the development of a scientific project, whether it concerns basic or applied research; structure and substantiate a funding application; identify the subject of a patent and be familiar with the submission procedure.
6.c Use the skills acquired during the Master's programme in a new professional environment, whether it is an institution or a company involved in biomedical research.

7. If they choose the Professional focus in nutrition, conduct themselves as experts in forging a link between nutrition and health, able to adopt a solid scientific and critical approach in the various professional environments concerned

7.a Have an in-depth understanding of the fundamental principles and concepts of basic and clinical nutrition and be able to use them to identify and test research hypotheses concerning mechanisms, prevention, diagnosis and treatment in the field of nutrition.
7.b Understand the constraints on the development of a scientific project, whether it concerns basic or applied research; structure and substantiate a funding application.
7.c Use the skills acquired during the Master's programme in a new professional environment, whether it is an institution or a company involved in nutrition in the broadest sense.

8. If they choose the Professional focus in toxicology: incorporate the multidisciplinary skills required to evaluate and prevent risks to human health caused by chemical

8.a Understand and use the fundamental principles and concepts of modern toxicology.
8.b Plan, conduct and interpret an experimental toxicological study.
8.c Critically analyse and summarise the available toxicological data for a chemical substance and incorporate this information in a regulatory context (in particular the European regulation REACh).

9. If they choose the Professional focus in clinical biomedicine: incorporate the knowledge and skills required to participate in large-scale clinical studies

9.a Incorporate the knowledge and skills enabling them to understand the purpose and pertinence of a new diagnostic or therapeutic tool in relation to a human pathology.
9.b Plan, conduct and interpret a large-scale clinical study, applying the appropriate IT and statistical analyses.

CORE COURSES

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

				Year 1	Year 2
Mémoire					
WSBIM2198	Pre-thesis in biomedical sciences	Charles De Smet (coord.)	FR [q2] [] [9 Credits] *> English-friendly*	x	
WSBIM2298	Experimental dissertation in biomedical sciences	Charles De Smet (coord.)	EN [q1] [] [20 Credits] *> English-friendly*		x
Apprentissage de l'approche expérimentale					
WSBIM2197	Laboratory internship (part 1)	Charles De Smet (coord.)	EN [q2] [] [19 Credits] *> English-friendly*	x	
WSBIM2297	Laboratory internship (Part 2)	Charles De Smet (coord.)	EN [q1] [] [20 Credits] *> English-friendly*		x
Sciences religieuses (2 credits)					
L'étudiant choisit un cours parmi les suivants :					
LTECO2101	Health, spirituality and religion : A. Biblical and clinical readings	Claude Lichtert	FR [q1] [15h] [2 Credits]	x	
LTECO2102	Health, spirituality and religion : B. Spiritual care in medicine	Serena Buchter Marcela Lobo Bustamante	FR [q1] [15h] [2 Credits]	x	
LTECO2103	Health, spirituality and religion : C. Science, ethics and religion	Eric Gaziaux	FR [q1] [15h] [2 Credits]	x	

LIST OF FOCUSES

RESEARCH FOCUS [30.0]

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Content:

				Year 1	Year 2
Cours obligatoire (3 credits)					
WSBIM2280	Scientific communication workshop	Luc Bertrand Cyril Corbet Charles De Smet (coord.) Wen-Hui Lien Nisha Limaye	EN [q1] [30h] [3 Credits]	x	
Cours au choix de systèmes expérimentaux (3 credits)					
L'étudiant choisit un cours parmi les 2 suivants.					

				Year 1	2
⊠ WSBIM1220	Neurobiology	Emmanuel Hermans (coord.) Pascal Kienlen-Campard Marcus Missal	FR [q2] [30h] [3 Credits] *> English-friendly*	x	
⊠ WSBIM2152					

PROFESSIONAL FOCUS : TOXICOLOGY [30.0]

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

PROFESSIONAL FOCUS : CLINICAL BIOMEDICAL SCIENCES [30.0]

- O Mandatory
- ⊠ Optional
- △ Not offered in 2024-2025
- ⊘ Not offered in 2024-2025 but offered the following year
- ⊕ Offered in 2024-2025 but not the following year
- △ ⊕ Not offered in 2024-2025 or the following year

Year

Year
1 2

WMDS2223	Secteur oncologie	Martine Berlière

	Year 1	Year 2

Démarche diagnostique (6 credits)

WMED2331	Stratégie d'utilisation de l'imagerie médicale et de la biologie clinique	Emmanuel Coche Dana Ioana Dumitriu Latifa Fellah Isabelle Leconte Frédéric Lecouvet Renaud Menten (coord.) Vassiliki Pasoglou Maximilien Thoma Jean Cyr Yombi	FR [q2] [16.5h] [3 Credits]		x
WESP2234	Clinical decision making	Andrea Penaloza-Baeza Annie Robert (coord.) Kiswendsida Clovis Sawadogo	EN [q1] [30h] [3 Credits]	x	

Evaluation du risque dans les études cliniques (6 credits)

WFSP2218	Longitudinal analysis: linear, logistic and Poisson regression	Annie Robert	FR [q1] [20h+20h] [3 Credits]	x	
WSBIM2145	Linear multi-predictor models applied to the health sciences	Annie Robert	FR [q1] [30h+30h] [3 Credits]	x	

Autres enseignements obligatoires (4 credits)

WESP2232P	Genomic epidemiology	Catherine Legrand Alexandre Persu Annie Robert (coord.) Miikka Vikkula	FR [q2] [15h+15h] [2 Credits]		x
WFSP2228P	Systematic literature review, realist evaluation and meta-analysis	Annie Robert (coord.) Kiswendsida Clovis Sawadogo	FR [q2] [20h+10h] [2 Credits]		x

OPTIONS [20.0]

Oeon t] icoming exchange students5

> Option cancérologie [en-prog-2024-sbim2m-wsbim908o]
> Option neurosciences [en-prog-2024-sbim2m-wsbim907o]
> Option pathophysiologie cellulaire et moléculaire [en-prog-2024-sbim2m-wsbim904o]
> Option nutrition humaine [en-prog-2024-sbim2m-wsbim903o]
> Option toxicologie [en-prog-2024-sbim2m-wsbim905o]
> Option sciences biomédicales cliniques [en-prog-2024-sbim2m-wsbim906o]

OPTION CANCÉROLOGIE [20.0]

ffered] in 2024-202 but not the following year5

Mandatorye

Optioale

				Year 1	2
⊠ WFARM1375	Drugs and sustainable development *Ce cours ne peut être choisi que par les étudiants inscrits en master 60.*	Nathalie Delzenne (coord.) Raphaël Frédérick Pauline Modrie Anne Spinewine Sandy Tubeuf Françoise Van Bambeke	FR [q2] [10h+20h] [3 Credits]	x	
⊠ LBIR2050A	Challenges of sustainable development and transition *Ce cours ne peut être choisi que par les étudiants inscrits en master 60.*	Valentin Couvreur Nathalie Delzenne Valérie Swaen	FR [q1 or q2] [22.5h] [3 Credits]	x	
⊠ WSBIM2229	Interdisciplinary program in translational medicine *Ce cours ne peut être choisi que par les étudiant inscrits en master 120. Ce programme interuniversitaire est financé par le Fond Baillet Latour. Plus de renseignements sur le site.* *L'intégration de ce cours dans votre PAE sera hors progression. Les crédits acquis n'entreront pas en considération dans l'acquisition des 120 crédits obligatoires pour l'obtention de votre diplôme de master.*		FR [q2] [50h] [5 Credits]		x

OPTION NEUROSCIENCES [20.0]

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites

OPTION PATHOPHYSIOLOGIE CELLULAIRE ET MOLÉCULAIRE [20.0]

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students

[FR]

Year
1 2

OPTION NUTRITION HUMAINE [20.0]

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Content:

Si une option comprend une UE déjà présente dans la finalité choisie par l'étudiant, il devra, avec l'accord de la faculté, prendre un autre cours afin que l'option totalise 20 crédits au minimum.

Cours au choix

Pour compléter l'option, l'étudiant choisit des cours pour un nombre de crédits permettant d'atteindre les minimum 20 crédits d'option. Pour les étudiants du master 120, si certains cours que choisit l'étudiant sont offerts dans une finalité spécialisée, le recouvrement, entre les cours de cette option et les cours d'une finalité spécialisée, ne peut excéder 6 crédits.

Cours au choix (10 credits)

L'étudiant choisit des cours pour atteindre un minimum de 10 crédits, parmi les cours proposés dans la liste ci-dessous, complétés de cours proposés dans tout autre programme de la faculté. Ce choix sera validé par la commission d'enseignement de la finalité.

Year 1	Year 2				
WSBIM2230	Biochemistry of inborn errors of metabolism	Joseph Dewulf (coord.) Marie-Cécile Nassogne	FR [q1] [30h] [3 Credits]	x	
WSBIM2290	Introduction to laboratory animal science	Jean-Paul Dehoux	FR [q1] [37h] [3 Credits]	x	
WFARM2149	Pharmaceutical approach in nutrition	Nathalie Delzenne	FR [q2] [30h+15h] [3 Credits]		

				Year 1	2
⊠ LBIR2050A	Challenges of sustainable development and transition *Ce cours ne peut être choisi que par les étudiants inscrits en master 60.*	Valentin Couvreur Nathalie Delzenne Valérie Swaen	FR [q1 or q2] [22.5h] [3 Credits]	x	

Stage obligatoire au choix (10 credits)

L'étudiant inscrit au Master 120 choisit un stage parmi les trois suivants. L'étudiant inscrit au Master 60 remplace ces activités de l'option par tout autre cours proposé dans les finalités et les options de master en sciences biomédicales.

⊠ WSBIM2271	International research internship	Pascal Kienlen-Campard (coord.)	EN [q2] [] [10 Credits]		x
⊠ WSBIM2272	Work placement	Anabelle Decottignies (coord.)	EN [q2] [] [10 Credits]		x
⊠ WSBIM2273	Research placement	Anabelle Decottignies (coord.)	EN [q2] [] [10 Credits]		x

OPTION SCIENCES BIOMÉDICALES CLINIQUES [20.0]

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year
1 2

Content:

Si une option comprend une UE déjà présente dans la finalité choisie par l'étudiant, il devra, avec l'accord de la faculté, prendre un autre cours afin que l'option totalise 20 crédits au minimum.

Métabolisme et pathologies particulières

WSBIM2230	Biochemistry of inborn errors of metabolism	Joseph Dewulf .33200 1 l 1 1 l h W n 1 G [] 0 d 2 w 0 0 m sd0 0 1 481ph Dewulf 1 m	

Supplementary classes

To access this Master, students must have a good command of certain subjects. If this is not the case, in the first annual block of their Masters programme, students must take supplementary classes chosen by the faculty to satisfy course prerequisites.

- Mandatory
- Optional
- Not offered in 2024-2025
- Not offered in 2024-2025 but offered the following year
- Offered in 2024-2025 but not the following year
- Not offered in 2024-2025 or the following year
- Activity with requisites
- Open to incoming exchange students
- Not open to incoming exchange students
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Finalités

-

L'étudiant souhaitant intégrer la finalité approfondie sera invité à suivre le module complémentaire constitué des unités d'enseignement suivantes:

Cours de base

WFARM1221S	Biochemistry and molecular biology	Nathalie Delzenne (coord.)	FR [q1] [50h+10h] [6 Credits]
WFARM1213	Human physiology and basics of physiopathology	Olivier Feron (coord.) Emmanuel Hermans Jean-Christophe Jonas (compensates Mandy Grootaert)	FR [q2] [60h] [6 Credits] *> English-friendly*
WMDS1230	Biologie cellulaire médicale et expérimentale	Stefan Constantinescu (coord.) Christophe Pierreux Donatienne Tyteca	FR [q1] [30h+20h] [4 Credits]
LANGL2454	English for biomedical students	Nicholas Gibbs Nevin Serbest (coord.)	EN [q2] [30h] [3 Credits]
WSBIM1334	general immunology	Isabelle Leclercq Sophie Lucas (coord.) Jean-Christophe Renauld Rémy Ruelle Benoit Van den Eynde Nathalie Vigneron (compensates Sophie Lucas)	FR [q1] [65h] [6 Credits] *> English-friendly*
WMD1006	Cytology and general histology	Christophe Pierreux	FR [q2] [10h+40h] [5 Credits]
WFARM1282	General microbiology	Thomas Michiels	FR [q1] [20h+15h] [3 Credits]
WSBIM1226	Molecular biology (including epigenetics) and tutorials	Charles De Smet Frédéric Lemaigre Thomas Michiels (coord.)	FR [q1] [30h+10h] [3 Credits]
WSBIM1320	Introduction to experimental approaches in cellular and molecular biology	Luc Bertrand Anne des Rieux Sandrine Horman Donatienne Tyteca (coord.)	FR [q2] [30h] [3 Credits]
WSBIM1302	Molecular Virology	Thomas Michiels	FR [q1] [25h] [3 Credits]
WSBIM1382	Genetics and applied biotechnology	Luc Bertrand (coord.) Laure Dumoutier Géraldine Laloux Nisha Limaye	FR [q1] [30h] [3 Credits] *> English-friendly*

WSBIM1211	Methodolgy of cell and molecular biology

⊠ WESP2123	Principles of clinical trials	Diego Castanares Zapatero Annie Robert (coord.) Xavier Stephenne (compensates Françoise Smets)	

Cours au choix

L'étudiant est invité à choisir 3 unités d'enseignement parmi la liste proposée ci-dessous

⊠ WSBIM1302	Molecular Virology

WSBIM1320	Introduction to experimental approaches in cellular and molecular biology	Luc Bertrand Anne des Rieux Sandrine Horman Donatienne Tyteca (coord.)	FR [q2] [30h] [3 Credits]
WSBIM1205	Introduction to toxicology	Lidvine Boland Nathalie Delzenne Laure Elens Vincent Haufroid François Huaux Violaine Verougstraete Alexis Wérion	FR [q2] [30h] [3 Credits]
WFARM1305	Elements of General Pathology	Mélanie Dechamps Olivier Feron (coord.)	FR [q2] [30h] [3 Credits] *> English-friendly*
WSBIM1302	Molecular Virology	Thomas Michiels	EN [q1] [25h] [3 Credits]
WMDS1237D	Pharmacologie générale (partim sciences dentaires)	Emmanuel Hermans (coord.)	EN [q1] [20h] [2 Credits]

Course prerequisites

The **table** below lists the activities (course units, or CUs) for which there are one or more prerequisites within the programme, i.e. the programme CU for which the learning outcomes must be certified and the corresponding credits awarded by the jury before registering for that CU.

These activities are also identified **in the detailed programme**: their title is followed by a yellow square.

Prerequisites and student's annual programme

As the prerequisite is for CU registration puposes only, there are no prerequisites within a programme year. Prerequisites are defined between CUs of different years and therefore influence the order in which the student will be able to register for the programme's CUs.

In addition, when the jury validates a student's individual programme at the beginning of the year, it ensures its coherence, meaning that it may:

- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.
- transform a prerequisite into a corequisite if the student is in the final year of a degree course.

For more information, please consult the Academic Regulations and Procedures.

Prerequisities list

WSBIM2237 "Nutrition et environnement : aspect sociétal" has prerequisite(s) WSBIM2181 ET WSBIM2134 ET WSBIM2136 ET WSBIM2137 ET WSBIM2138

- WSBIM2181 - Molecular and cellular aspects of nutrition
- WSBIM2134 - Pathophysiology of nutrition
- WSBIM2136 - Clinical nutrition
- WSBIM2137 - Nutrition and environment: biological and toxicological aspects
- WSBIM2138 - Innovation and research in nutrition

WSBIM2238 "Nutrition spécialisée" has prerequisite(s) WSBIM2181 ET WSBIM2134 ET WSBIM2136 ET WSBIM2137 ET WSBIM2138

- WSBIM2181 - Molecular and cellular aspects of nutrition
- WSBIM2134 - Pathophysiology of nutrition
- WSBIM2136 - Clinical nutrition
- WSBIM2137 - Nutrition and environment: biological and toxicological aspects
- WSBIM2138 - Innovation and research in nutrition

WSBIM2239 "Nutrition et santé publique" has prerequisite(s) WSBIM2181 ET WSBIM2134 ET WSBIM2136 ET WSBIM2137 ET WSBIM2138

- WSBIM2181 - Molecular and cellular aspects of nutrition
- WSBIM2134 - Pathophysiology of nutrition
- WSBIM2136 - Clinical nutrition
- WSBIM2137 - Nutrition and environment: biological and toxicological aspects
- WSBIM2138 - Innovation and research in nutrition

WSBIM2244 "Special issues in cancerology" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151) ET WSBIM2141 ET WSBIM2142 ET WSBIM2143 ET WSBIM2144

- WSBIM2280 - Scientific communication workshop
- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience
- WSBIM2141 - Intercellular signaling and tumor biology
- WSBIM2142 - Tumor genetics and epigenetics
- WSBIM2143 - Causes and risk factors for cancer
- WSBIM2144 - Cancer diagnosis and therapy

WSBIM2245 "In-session seminar in biomedicine" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151) ET WSBIM2141 ET WSBIM2142 ET WSBIM2143 ET WSBIM2144

- WSBIM2280 - Scientific communication workshop
- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience
- WSBIM2141 - Intercellular signaling and tumor biology
- WSBIM2142 - Tumor genetics and epigenetics
- WSBIM2143 - Causes and risk factors for cancer
- WSBIM2144 - Cancer diagnosis and therapy

WSBIM2251 "Neural networks and Deep Learning" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151) ET WSBIM2154 ET WSBIM2155 ET WSBIM2156

- WSBIM2280 - Scientific communication workshop
- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience
- WSBIM2154 - Neuroanatomy and anatomo-functional imaging techniques
- WSBIM2155 - Developmental neurobiology
- WSBIM2156 - Animal and human electrophysiology project

WSBIM2253 "Advanced issues in cognitive neuroscience" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151) ET WSBIM2154 ET WSBIM2155 ET WSBIM2156

- WSBIM2280 - Scientific communication workshop

- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience
- WSBIM2154 - Neuroanatomy and anatomo-functional imaging techniques
- WSBIM2155 - Developmental neurobiology
- WSBIM2156 - Animal and human electrophysiology project

WSBIM2255 "Seminar on neurological and psychiatric disease" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151) ET WSBIM2154 ET WSBIM2155 ET WSBIM2156

- WSBIM2280 - Scientific communication workshop
- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience
- WSBIM2154 - Neuroanatomy and anatomo-functional imaging techniques
- WSBIM2155 - Developmental neurobiology
- WSBIM2156 - Animal and human electrophysiology project

WSBIM2271 "International research internship" has prerequisite(s) WSBIM2198 ET WSBIM2197

- WSBIM2198 - Pre-thesis in biomedical sciences
- WSBIM2197 - Laboratory internship (part 1)

WSBIM2272 "Work placement" has prerequisite(s) WSBIM2198 ET WSBIM2197

- WSBIM2198 - Pre-thesis in biomedical sciences
- WSBIM2197 - Laboratory internship (part 1)

WSBIM2273 "Research placement" has prerequisite(s) WSBIM2198 ET WSBIM2197

- WSBIM2198 - Pre-thesis in biomedical sciences
- WSBIM2197 - Laboratory internship (part 1)

WSBIM2284 "Cellular and molecular pathophysiology of human diseases (Part 2)" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151)

- WSBIM2280 - Scientific communication workshop
- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience

WSBIM2285 "Biomedical project design, Pathophysiology" has prerequisite(s) WSBIM2280 ET (WSBIM2112 OU WSBIM2151)

- WSBIM2280 - Scientific communication workshop
- WSBIM2112 - Cell and molecular biology: experimental systems
- WSBIM2151 - Experimental approaches in neuroscience

WSBIM2297 "Stage en laboratoire (2e partie)" has prerequisite(s) WSBIM2197

- WSBIM2197 - Laboratory internship (part 1)

WSBIM2298 "Mémoire expérimental en sciences biomédicales" has prerequisite(s) WSBIM2198

- WSBIM2198 - Pre-thesis in biomedical sciences

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.

intégrés dans le programme du master

Teaching method

Throughout the Master's programme, students encounter a variety of complementary teaching methods: classroom lectures, tutoring, laboratory work and immersion in a professional environment.

The course programme is designed to enable an excellent level of training in research through experimentation.

The theory teaching, monitoring in the laboratory and supervision of the thesis are performed by research professionals.

Professional focus in human nutrition: the programme is organised so as to leave a period of time almost exclusively devoted to the production of a laboratory experiment dissertation, which is essential to enable the learner to become an integral part of a team and to allow adequate monitoring by the supervisors.

The final stage of the programme includes an introductory work placement, intended to enable the students to face the world of employment that they will have to deal with on completion of the training; the various courses will also provide the opportunity for contact with key representatives of the world of employment during the training.

The critical mindset will be developed in the field, which is necessary in view of the amount of misleading information found on the Internet or through inadequate communication networks in the field of nutrition and health; this competence will be acquired by being faced with real-life cases to be dealt with in several courses.

Evaluation

The evaluation methods comply with the regulations concerning studies and exams. More detailed explanation of the modalities specific to each learning unit are available on their description sheets under the heading "Learning outcomes evaluation method".

Each theory course will be evaluated by a written or oral exam.

A significant part of the Master's programme is devoted to experimental work that is evaluated by a work placement in a laboratory and the production of a dissertation that must be defended before a panel of experts.

To obtain a grade average, the scores obtained by the teaching units are weighted by their respective credits.

Mobility and/or Internationalisation outlook

Il y a une ouverture possible du master 120 à des étudiants étrangers sur base des pré-requis examinés par la commission d'enseignement.

L'école des Sciences biomédicales met en place un réseau d'institutions partenaires permettant des échanges d'étudiants au cours de la deuxième année du Master 120.

Lien à consulter : https://uclouvain.be/313366.html

Possible trainings at the end of the programme

Masters complémentaires accessibles : en biotechnologie et biologie appliquée.

Formations doctorales accessibles : domaine des sciences biomédicales et pharmaceutiques et domaine des sciences médicales.

Contacts

Curriculum Management

Entity

Structure entity	SSS/FASB/SBIM
Denomination	(SBIM)
Faculty	Faculty of Pharmacy and Biomedical Sciences (FASB)
Sector	Health Sciences (SSS)
Acronym	SBIM
Postal address	Avenue Mounier 73 - bte B1.73.04 1200 Woluwe-Saint-Lambert Tel: