



The version you're consulting is not definitive. This programme still may change. The final version will be published on 1th June.

At Louvain-la-Neuve - 180 credits - 3 years - Day schedule - In French

Dissertation/Graduation Project : **NO** - Internship : **YES**

Activities in English: **NO** - Activities in other languages : **NO**

Activities on other sites : **NO**

Main study domain : **Sciences de la motricité**

Organized by: **Faculty of Movement and Rehabilitation Sciences (FSM)**

Programme acronym: **KINE1BA** - Francophone Certification Framework: 6

Table of contents

Introduction	2
Teaching profile	4
Learning outcomes	4
Programme structure	8
Programme	8
Detailed programme by subject	8
Alternatives	13
List of available minors	14
Course prerequisites	14
The programme's courses and learning outcomes	17
Detailed programme per annual block	17
KINE1BA - 1st annual unit	17
KINE1BA - 2nd annual unit	19
KINE1BA - 3rd annual unit	21
Information	23
Access Requirements	23
Specific professional rules	25
Teaching method	25
Evaluation	25
Mobility and/or Internationalisation outlook	25
Possible trainings at the end of the programme	25
Contacts	26

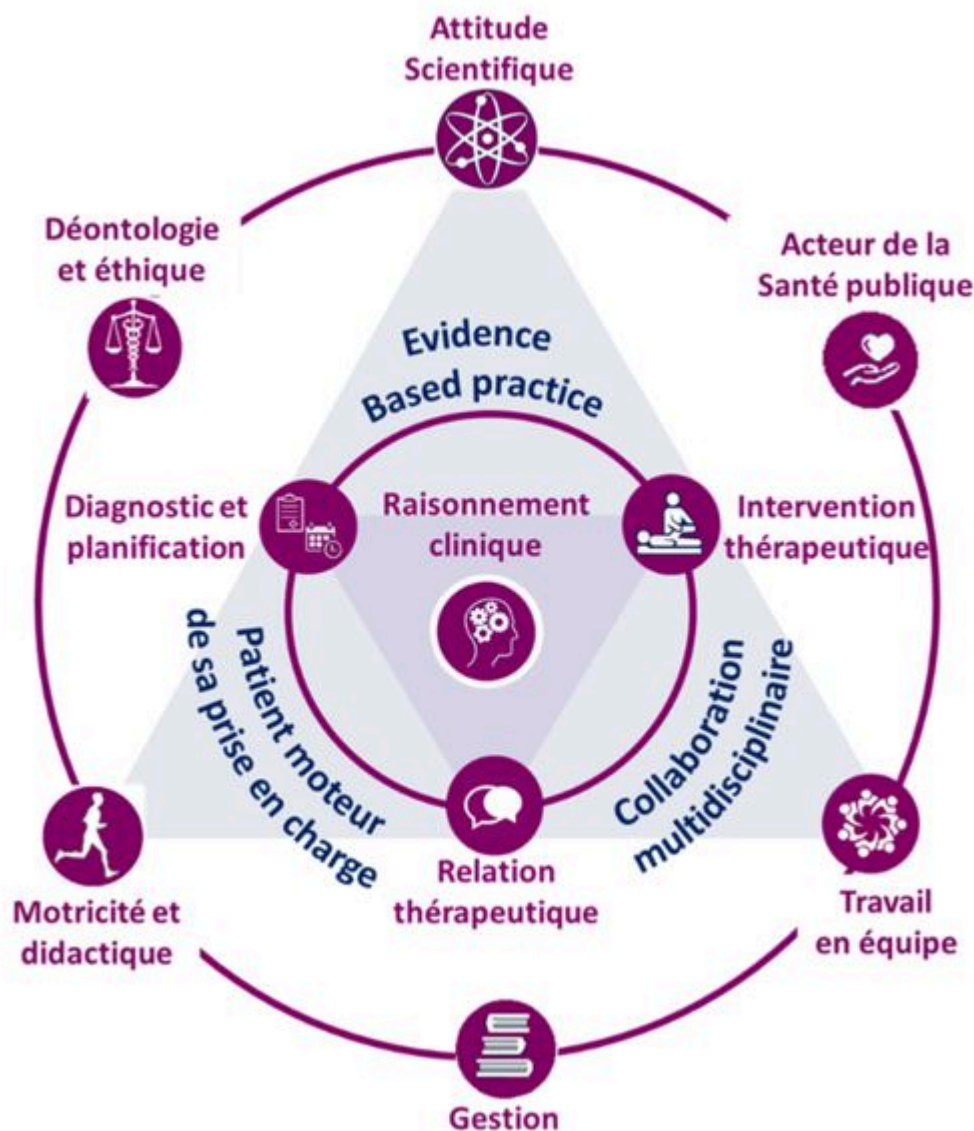
KINE1BA - Introduction

Introduction

Introduction

The Faculty of Motor Sciences at UCLouvain offers you a bachelor's study program in physiotherapy and rehabilitation, completely reformed in 2024, aimed at the development of specific skills, as included in the new framework below.

Ten areas of skills were identified based on a detailed analysis of current expectations in the professional world and the values that we wish to promote at UCLouvain, namely (1) scientific attitude, (2) Evidence-Based Practice (EBP) and clinical reasoning (RC), (3) the patient-physiotherapist relationship aimed at making the patient the driving force behind their care and (4) multidisciplinary



collaboration.

Courses in the UCLouvain physiotherapy and rehabilitation program are taught by experts at the cutting edge of knowledge. The latter are active in the world of scientific research and integrate the latest advances in their field of expertise into their teaching, including their own contributions. The reformed program emphasizes teaching methods that promote the development of critical and reflective thinking. You will be able to use your knowledge through internships offered in a wide variety of services in our partner hospitals or private practices.

The bachelor's program must be completed by a year of master's degree in physiotherapy and rehabilitation (60 credits) to obtain the professional title of physiotherapist. At the end of your 4 years of study, you will be able to apply for an INAMI number which is essential to take care of patients as a physiotherapist.

If you wish, you can also continue your studies with a Master in Motor Sciences of 120 credits. Currently, the FSM offers three goals: the in-depth goal (research) and two specialization goals (musculoskeletal physiotherapy, neurological physiotherapy). Obtaining a Master 120 will give you access to doctoral training.

Your profile

Do you enjoy human contact, are you sociable and attentive, do you practice regular physical activity? All these aspects constitute assets for the success of this university course.

Generally speaking, academic success requires cognitive skills: written and oral mastery of French, analytical skills, critical thinking, a spirit of synthesis, good working methods, capacity for abstraction, etc.

Your future job

You will work in a hospital, in a private practice, in a nursing home, in a rehabilitation center, a psychomotor center or a sports club, in Belgium or abroad. You can also go on a mission around the world for an NGO, move towards medical delegation or a career in research.

These studies lead to a professional title subject to [specific rules](#).

Your programme

The bachelor's degree offers you the possibility:

- to acquire a solid base of knowledge in the field of biomedical sciences; the technical knowledge and skills necessary to perform the professional actions of the physiotherapist;
- to develop soft skills oriented towards therapeutic communication, empathy, emotional intelligence, work management, reflexivity, etc. ;
- integrate clinical reasoning based on Evidence Based Practice (EBP)
- to develop initial field experience through three months of clinical internships in a hospital or office setting.

Skills and learning outcomes at the end of the training = [Bachelor's standard](#)

KINE1BA - Teaching profile

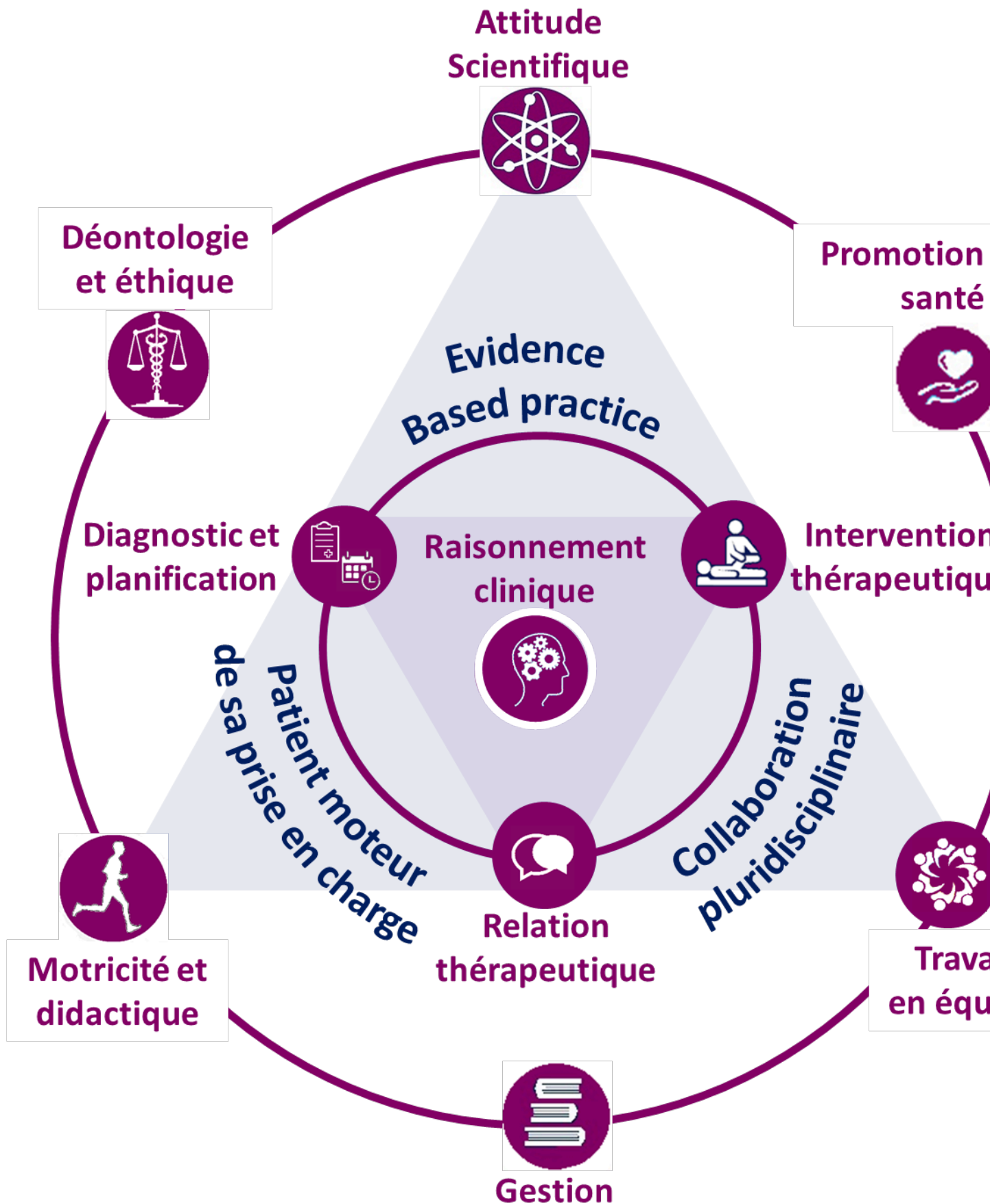
Learning outcomes

The programs of the FSM are currently being reformed.

Are you enrolling for the first time in the first year of bachelor's in 2024-25? This page is for you.

Did you enroll in this program before 2024-25? For the ' Learning outcomes' section intended for you, refer to [the program published in 2023-24](#).

The graduate's exit profile is based on 4 values at the heart of the training and on 10 areas of essential and essential skills that the student must develop during the course.



The 4 values:

1. The Approach – scientific anchoring
2. The patient-physiotherapist relationship aimed at a patient who is the driving force behind his care
3. Evidence Based Practice

4. Multidisciplinary collaboration

The 10 axes

- Scientific Attitude
- Clinical reasoning
- Diagnosis and planning
- Therapeutic intervention
- Therapeutic relationship
- Team work
- Management
- Deontology and ethics
- Health promotion
- Motor skills and teaching

The 10 axes presented here only make sense with the learning outcomes developed subsequently.

The development of clinical reasoning in each stage of patient care (diagnosis, planning, treatment, therapeutic relationship) has a central role within the training. It requires integrating an "evidence-based practice" (EBP) approach and adopting a posture of continuous development of its expertise. These 4 axes represent the heart of the training.

The values are each located within a triangle formed by 3 axes:

- Multidisciplinary collaboration at the junction of the axes: Team work, Therapeutic relationship and Therapeutic intervention
- EBP is located at the junction of the axes: Scientific attitude, Diagnosis/planning and Therapeutic intervention
- The patient - the driving force behind his care - is located at the junction of the axes: Planning, Therapeutic relationship and Motor skills and didactics

On successful completion of this programme, each student is able to :

1. Clinical reasoning

Conduct and develop clinical reasoning, in each stage of patient care, in simple situations (clinical vignette, simulated cases and real supervised cases), by integrating an "evidence-based practice" (EBP) approach and having a posture of continuous development of their skills.

1.1 Adopt, in your clinical reasoning, an EBP approach which integrates the patient's bio-psycho-social state and preferences, scientific foundations and advances and their first experiences as a therapist.

1.2 Conduct clinical reasoning in each of the stages of patient care (diagnosis, planning, treatment, therapeutic relationship) by integrating the relevant elements and ensuring that you organize your knowledge and skills for effective patient care.

1.3 Conduct a reflective analysis on your practice as a physiotherapist in the care of a patient and use it to develop your skills as a physiotherapist.

1.4 Identify your strong and weak points, and conduct a reflective analysis to engage in a process of continuous development of your skills and guide your training path accordingly.

2. Diagnosis* and planning

Carry out a diagnosis* in physiotherapy and rehabilitation, and plan the therapeutic intervention, in simple situations (clinical vignette, simulated cases and real supervised cases).

2.1 Mobilize essential knowledge from fundamental and biomedical sciences

2.2 Collect and interpret relevant medical, psychosocial and contextual information from the medical record, history, and questionnaires

2.3 Develop and carry out a clinical examination using the tools appropriate to the specific clinical situation being treated and interpret the results.

2.4 Make a clinical and functional diagnosis by integrating the information collected during the history and clinical examination.

2.5 Identify situations/pathologies that do not fall within your own field of expertise as a physiotherapist and refer to another health care professional (screening).

2.6 Establish a prognosis and justify it, based on the pathology and personal and contextual factors.

2.7 Formulate the goals of treatment in consultation with the patient.

2.8 Plan the therapeutic intervention.

*

Definition from the World Confederation for Physical Therapy (2019)

Diagnosis in physiotherapy is the result of a process of clinical reasoning which results in the identification of existing or potential impairments, limitations in activities and restrictions in participation and of factors influencing functioning positively or negatively.

The purpose of the diagnosis is to guide physiotherapists in determining the prognosis and most appropriate intervention strategies for patients/clients and in sharing information with them. If the diagnostic process reveals findings that are not within the scope of the physiotherapist's knowledge, experience or expertise, the physiotherapist will refer the patient/client to another appropriate practitioner

3. Therapeutic intervention

Carry out the therapeutic intervention by involving the patient, evaluate its effectiveness and adapt it if necessary in simple situations (clinical vignette, simulated cases and real supervised cases).

3.1 Carry out therapeutic interventions adapted to the patient's profile: technical procedures, exercises and educational aspects (e.g. change in behavior, postures, etc.).

3.2 Adapt your intervention, throughout the treatment, by evaluating its effectiveness according to the bio-psycho-social profile of the patient and the context of care, and identify the moment of its cessation.

3.3 Appliquer les méthodes de communication et d'approches motivationnelles favorisant des comportements adaptés et autonomes.

4. Therapeutic relationship

Establish a relationship and constructive therapeutic communication with the patient in simple situations (clinical vignette, simulated cases and real supervised cases).

- 4.1 Practice active listening with the patient, to identify their needs and requests.
 - 4.2 Discuss therapeutic possibilities and their consequences in a respectful and personalized manner using accessible language, with the patient and their loved ones.
 - 4.3 Develop therapeutic touch and adapt it to the patient
 - 4.4 Develop therapeutic touch and adapt it to the patient Communicate and interact with the patient in at least a second language at level B1 of the "Common European Framework of Reference for Languages".
5. Motor skills and didactics

Heal through movement by relying on your knowledge, your own movement potential, by having a didactic approach.

- 5.1 Carry out your own physical and sporting activity at a level of mastery allowing the demonstration of exercises.
- 5.2 Become aware of your body, its needs and its limits.
- 5.3 Explain the adaptation of physiology during exercise in a healthy person.
- 5.4 Explain and justify movements/technical gestures/exercises to patients using a didactic approach.

6. Scientific Attitude

Mobilize scientific foundations and advances in a critical and non-dogmatic manner in your training and professional practice

*

- 6.1 Describe the fields and methods of research in the field of motor science.
- 6.2 Identify relevant and reliable scientific sources concerning a defined and circumscribed problem by making relevant use of information tools.
- 6.3 Evaluate the scientific quality of documents concerning a problem, carry out a critical synthesis and deduce a targeted research question.
- 6.4 Use scientific articles to nourish and question your professional practice.
- 6.5

Carry out a scientific presentation to members of the faculty (FSM).

*

College comment on the positioning of this axis in the master 60

The following emerges from the collegial reflection carried out: the ability to carry out a scientific study is not an expectation for all graduates. However, it is expected that all graduates understand how a scientific study works and know how to evaluate the quality of data in order to understand scientific articles.

7. Communication and teamwork

Communicate and interact rigorously and effectively, in writing and orally, with different actors, while being aware of your role as a physiotherapist, in simple situations (clinical vignette, simulated cases and real supervised cases).

- 7.1 Describe the role of actors in the medical world, including that of the physiotherapist.
- 7.2 Extract, based on the patient's file, the anamnesis and the clinical examination or even paraclinical examinations, the relevant information during discussions with the training supervisor with a view to caring for a patient.
- 7.3 Communicate and argue rigorously and effectively during discussions within a team of students, with teachers or the internship supervisor.
- 7.4 Write written documents taking into account the requirements of the situation (case study, report for a doctor).
- 7.4 Write written documents taking into account the requirements of the situation (case study, report for a doctor).
- 7.5 Dialogue with peers about a clinical case by arguing the contribution of physiotherapy and rehabilitation.

8. Management

Manage the legal/legal, administrative and security aspects necessary for your first experiences as a physiotherapist (internships).

- 8.1 Manage legal/legal aspects: describe the rights and duties of the intern and apply them during internships.
- 8.2

Manage the administrative and organizational aspects of your internships.

- 8.3 Manage safety aspects: describe the safety aspects inherent in caring for a patient and apply them during training.

9. Deontology and ethics

Provide care responsibly while respecting professional conduct and ethics.

- 9.1 Explain to the patient the concept of informed consent and its implications, and take it into account in their practice.
- 9.2 Describe the rights and duties of the intern related to professional secrecy and act accordingly during internships.
- 9.3 Conduct a reflective analysis on one's prejudices and their potential influences on the care of a patient or on the evaluation of a volunteer subject as part of an experiment.
- 9.4 Conduct a reflective analysis on the right distance in the patient/physiotherapist relationship.

10. Health promotion

Analyze a public health system and its societal impact

- 10.1 Describe the basic principles of the Belgian public health system and question it in relation to other systems.
- 10.2 Evaluer de manière critique la qualité et l'impact sociétal d'un système de santé publique sur base, entre autres, d'une analyse épidémiologique.
- 10.3 Carry out a reflective analysis on the links between environment, health and behavior.

11. Knowledge axis

Mobilize in a critical and integrated manner a base of knowledge (knowledge, models, theories, concepts and techniques) in exact, biomedical and human sciences, on which to rely to intervene in the field of motor skills sciences.

11.1 Demonstrate knowledge and critical understanding of an in-depth knowledge base (knowledge, models, theories, concepts and techniques) in exact, biomedical and human sciences.

11.2 Describe fundamental principles in motor science by articulating and integrating in-depth knowledge from different fields of exact, biomedical and human sciences.

11.3 Mobilize knowledge from a discipline to understand and respond to a situation, a problem or a situation.

11.4 Mobilize knowledge from different disciplines to understand and respond to a situation, a problem or a situation.

Programme structure

The programs of the FSM are currently being reformed.

Are you enrolling for the first time in the first year of bachelor's in 2024-25 ? This page is for you.

Did you enroll in this programme before 2024-25 ? For the 'Programme structure' section intended for you, refer to [the program published in 2023-24](#).

At the start of their bachelor's program in physiotherapy and rehabilitation, students share their general training in exact and biomedical sciences with students in the bachelor's program in physical education. The student who would like to obtain both diplomas will more easily achieve this dual training by starting with training in physical education.

The bachelor's program in physiotherapy includes 180 credits, divided into three annual blocks.

The first annual block of the bachelor's program offers basic training in exact and biomedical sciences (39 credits) and in human sciences (8 credits). This first annual block also already includes certain courses more specific to physiotherapy (13 credits).

The second annual block of the bachelor's program is oriented towards theoretical and practical courses specific to physiotherapy (35 credits), supplemented by training in exact and biomedical sciences (15 credits), training in motor skills (6 credits) and training in languages - English (4 credits).

In the third annual block, students complete a three-month internship (21 credits) during the first semester. At the same time, students use their internship experiences during internship support seminars. In the second semester, they continue their theoretical and practical training specific to physiotherapy (23 credits), training in exact and biomedical sciences (10 credits), training in languages – English or Dutch (3 credits). Students carry out the first steps for their Master's thesis. An elective specialization course (3 credits) completes the program.

KINE1BA Programme

Detailed programme by subject

The programs of the FSM are currently undergoing reforms.

Are you enrolling for the first time in the first year of bachelor's in 2024-25 ? The program description provided [on this page](#) is intended for you.

Did you enroll in this program before 2024-25 ? To find out the structure of your program, please refer to the program published in [2023-24](#).

- 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 3

o Majeure (180 credits)

o Formation de base en sciences exactes et biomédicales (64 credits)

○ LFSM1101	General chemistry and biomolecules	Patrick Henriet	FR [q1] [37.5h] [4 Credits] 🌐	X		
○ LFSM1102	Essentials of systematic and functional anatomy	Catherine Behets Wydemans (coord.) Ludovic Kaminski	FR [q1] [37.5h] [5 Credits] 🌐	X		
○ LFSM1103	Critical thinking and scientific posture		FR [q1] [37.5h] [4 Credits] 🌐	X		
○ LFSM1104	Biology and fundamentals in histology		FR [q2] [45h] [5 Credits] 🌐	X		
○ LFSM1105	Physics	Vincent Legat	FR [q1] [37.5h+15h] [5 Credits] 🌐	X		
○ LFSM1109	Biomechanics and analysis of the musculoskeletal system	Arthur Dewolf	FR [q2] [45h+15h] [5 Credits] 🌐	X		
○ LFSM1003	Anatomy of the locomotor system and movement analysis	Catherine Behets Wydemans (coord.) Arthur Dewolf	FR [q2] [52.5h] [6 Credits] 🌐	X		
○ LKNR1101	Introduction to research methods		FR [q2] [30h] [3 Credits] 🌐	X		
○ LKNR1102	Sustainable development		FR [q2] [22.5h] [2 Credits] 🌐	X		
○ LIEPR1003	Treatment of data [S] <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Yannick Bleyenheuft	FR [q2] [15h+15h] [4 Credits] △ 🌐	X		
○ LIEPR1023A	Sauvetage, réanimation et urgences de terrain (partim réanimation et urgence de terrain) ■		FR [q1] [15h+15h] [3 Credits] 🌐		X	
○ LIEPR1021	Cellular physiology ■		FR [q1] [30h] [3 Credits] 🌐		X	
○ LIEPR1022	Systems Physiology ■	Nicolas Tajeddine	FR [q2] [37.5h] [4 Credits] 🌐		X	
○ LIEPR1024	Fundamentals of neurophysiology and neuropsychology in motor control and motor learning ■		FR [q1] [45h] [5 Credits] 🌐		X	
○ LIEPR1025	Physiology and biochemistry of exercise and nutrition ■	Louise Deldicque Marc Francaux (coord.) Patrick Henriet	FR [q2] [75h+7.5h] [8 Credits] 🌐			X
○ LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation ■		FR [q2] [22.5h] [3 Credits] 🌐			X
○ LIEPR1026	Statistics ■	Céline Bugli	FR [q2] [15h+15h] [3 Credits] 🌐			X

o Formation de base en sciences humaines (6 credits)

○ LFSM1106	Philosophy and ethics in motor science	Jacob Schmutz	FR [q1] [30h] [3 Credits] 🌐	X		
○ LFSM1107	Psychology	Stefan Agrigoroaei Damien Brevers	FR [q1] [30h] [3 Credits] 🌐	X		

o Formation théorique et pratique spécifique à la kinésithérapie (88 credits)

○ LKNR1103	Introduction to the profession of physiotherapist		FR [q1] [30h] [4 Credits] 🌐	X		
○ LKNR1104	Health system and medical model		FR [q2] [45h] [6 Credits] 🌐	X		
○ LKNR1105	Evidence based practice (EBP) / Clinical reasoning 1		FR [q2] [30h] [3 Credits] 🌐	X		

				Year		
				1	2	3
○ LKINE1002	Handicaps and psychology <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FR [q2] [30h] [3 Credits] Δ 🌐	x		
○ LKINE1003	Handicap and Rehabilitation <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Christine Detrembleur	FR [q1] [30h] [3 Credits] Δ 🌐	x		
○ LKINE1004	Introduction to Ergonomy <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FR [q1] [30h] [3 Credits] Δ 🌐	x		
○ LKINE1005	Fundamentals of locomotory physiotherapy <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Christine Detrembleur (coord.)	FR [q2] [30h] [3 Credits] Δ 🌐	x		
○ LKINE1006	Fondements d'électrothérapie <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Julie Duque (coord.) Laurent Francis	FR [q2] [30h] [3 Credits] Δ 🌐	x		
○ LKINE1021	Basics of physical therapy 🇯🇵	Catherine Behets Wydemans Arthur Dewolf Philippe Mahaudens (coord.)	FR [q1] [13h+97.5h] [8 Credits] 🌐		x	
○ LKINE1022	Pathologies and physical therapy of the musculo-skeletal system 🇯🇵		FR [q2] [60h+26h] [8 Credits] 🌐		x	
○ LKINE1023	Pathologies and physical therapy of the cardio-respiratory system 🇯🇵	William Poncin (coord.) Gregory Reychler David Vancreaynest	FR [q2] [45h+30h] [7 Credits] 🌐 > English-friendly		x	
○ LKINE1024	Pathology and Physiotherapy of the nervous system 🇯🇵	Yannick Bleyenheuft (coord.)	FR [q2] [30h+45h] [7 Credits] 🌐		x	
○ LKINE1027	Introduction to pathology. 🇯🇵		FR [q2] [35h] [3 Credits] 🌐		x	
○ LKINE1038	Biomechanics applied to physiotherapy 🇯🇵	Christine Detrembleur	FR [q1] [30h] [3 Credits] 🌐			x
○ LKINE1031	Complements physiotherapy and pathology of the musculoskeletal system 🇯🇵		FR [q2] [20h+16h] [3 Credits] 🌐			x
○ LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy 🇯🇵	William Poncin (coord.) Gregory Reychler	FR [q2] [30h] [3 Credits] 🌐			x
○ LKINE1036	Complements of Neurophysiology 🇯🇵		FR [q2] [30h] [3 Credits] 🌐 > English-friendly			x
○ LKINE1033	Seminar of motor re-education and physiotherapy 🇯🇵	Olivier Cornu Thierry Deltombe Christine Detrembleur (coord.) Julie Duque Thierry Lejeune Philippe Mahaudens Gaëtan Stouart	FR [q1] [0h+7.5h] [3 Credits] 🌐			x
○ LKINE9034	Stages cliniques (3 mois) 🇯🇵		FR [] [] [23 Credits] 🌐			x
○ LKINE9035	Rapports de stages (3 mois de stages) 🇯🇵		FR [q1+q2] [] [2 Credits] 🌐			x

o Formation motrice (12 credits)

○ LKINE1011	Théorie de la formation psychomotrice de base <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FR [q1] [30h] [2 Credits] > English-friendly	x		
○ LKINE1012	Pratique de la formation psychomotrice de base <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FR [q2] [0h+30h] [2 Credits]	x		
○ LKINE1025	Physical activities and sports	Louise Deldicque	FR [q1+q2] [0h+30h] [2 Credits]		x	
○ LKINE1026	Aquatics and safety issues	Louise Deldicque	FR [q1+q2] [7.5h+30h] [2 Credits]		x	
○ LKINE1234	Psychomotor therapy	Christine Detrembleur	FR [q1] [7.5h+15h] [4 Credits]		x	

o Formation en langues (6 credits)

○ LANGL1851	English for physiotherapists and physical educators	Fanny Desterbecq Sandrine Meirlaen Jean-Paul Nyssen (coord.)	EN [q1+q2] [45h] [4 Credits]			x
-------------	--	---	------------------------------	--	--	---

o Cours au choix

Un cours à choisir parmi les cours proposés ci-dessous.

⊗ LANGL2451	English - communication skills	Stéphanie Brabant Charline Coduti (compensates) Sandrine Meirlaen Philippe Denis Maité Dupont Claudine Grommersch (coord.) Carlo Lefevre Jean-Paul Nyssen Hila Peer Lutgarde Schrijvers Marine Volpe (compensates) Sandrine Meirlaen)	EN [q2] [30h] [2 Credits]			x
⊗ LNEER2451	Dutch communication skills for students in Physiotherapy, Sports and Physical Training	Katrien De Rycke (coord.)	NL [q2] [30h] [2 Credits]			x

o Cours au choix (4 credits)

Un cours à choisir parmi les cours proposés ci-dessous.

⊗ LKINE1039	Technology & Rehabilitation	Guillaume Bastien Massimo Penta (coord.)	FR [q2] [45h+15h] [4 Credits]			x
⊗ LKINE1040	Ergonomy and readaptation		FR [q2] [45h+15h] [4 Credits]			x
⊗ LIEPR1027	Adapted physical activity		FR [q2] [30h+30h] [4 Credits]			x
⊗ LKINE1396	Apprentissage moteur et neuroplasticité, module 1	Yannick Bleyenheuft	FR [q2] [45h+15h] [4 Credits]			x
⊗ LKINE1390A	Didactique des enseignements en kinésithérapie, 1re partie (partim A)		FR [q2] [10h+18h] [4 Credits]			x
⊗ LKINE1390B	Didactique des enseignements en kinésithérapie, 1re partie (partim B)		FR [q2] [10h+16h] [4 Credits]			x
⊗ LKINE1390C	Didactique des enseignements en kinésithérapie, 1re partie (partim C) <i>Ce cours n'est pas organisé en 24-25.</i>		FR [q2] [10h+16h] [4 Credits]			x

o Sciences religieuses

Un cours à choisir parmi les cours proposés ci-dessous. Dans la perspective de leur formation, il est conseillé aux étudiant-es KINE de suivre le cours LTECO1004.

⊗ LTECO1001	Societies, Cultures, Religions: biblical readings		FR [q2] [15h] [2 Credits]	x		
-------------	--	--	---------------------------	---	--	--

				Year		
				1	2	3
⌘ LTECO1002	Societies-cultures-religions : Human Questions	Paulo Jorge Dos Santos Rodrigues	PK [q1] [15h] [2 Credits] 🌐	x		
⌘ LTECO1004	Societies, cultures, religions : questions éthiques		PK [q1] [15h] [2 Credits] 🌐	x		

Alternatives

> Bachelor in Physiotherapy and Rehabilitation [Pour diplômé.es du master EDPH2M avec l'option motricité de l'UCLouvain]
 [<https://uclouvain.be/en-prog-2024-kine1ba-programme>]

BACHELOR IN PHYSIOTHERAPY AND REHABILITATION [POUR DIPLÔMÉ.ES DU MASTER EDPH2M AVEC L'OPTION MOTRICITÉ DE L'UCLouvain]

- 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...)

This gateway is likely to evolve in 2025-2026 with the reform initiated in FSM.

Year

1 2 3

o Major

Ce programme est destiné uniquement aux étudiant-es de la Faculté des sciences de la motricité diplômé-es d'un master en éducation physique option motricité et pathologie.

o Formation de base en sciences exactes et biomédicales (5 credits)

● LKNR1102	Sustainable development		FR [q2] [22.5h] [2 Credits] 🌐	X		
● LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation		FR [q2] [22.5h] [3 Credits] 🌐			X

o Theoretical and practical training specific to physiotherapy and rehabilitation

● LKINE1031	Complements physiotherapy and pathology of the musculoskeletal system		FR [q2] [20h+16h] [3 Credits] 🌐			X
● LKINE1033	Seminar of motor re-education and physiotherapy	Olivier Cornu Thierry Deltombe Christine Detrembleur (coord.) Julie Duque Thierry Lejeune Philippe Mahaudens Gaëtan Stoquart	FR [q1] [0h+7.5h] [3 Credits] 🌐			X
● LKINE1036	Complements of Neurophysiology		FR [q2] [30h] [3 Credits] 🌐 > English-friendly			X
● LKINE1038	Biomechanics applied to physiotherapy	Christine Detrembleur	FR [q1] [30h] [3 Credits] 🌐			X
● LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy	William Poncin (coord.) Gregory Reychler	FR [q2] [30h] [3 Credits] 🌐			X
● LKNR1104	Health system and medical model		FR [q2] [45h] [6 Credits] 🌐	X		
● LKNR1105	Evidence based practice (EBP) / Clinical reasoning 1 Cours ajouté à ce programme durant la durée de la transition, c'est à dire jusque 25-26.		FR [q2] [30h] [5 Credits] 🌐	X		
● LKINE9034	Stages cliniques (3 mois)		FR [] [] [23 Credits] 🌐			X
● LKINE9035	Rapports de stages (3 mois de stages)		FR [q1+q2] [] [2 Credits] 🌐			X

o Cours au choix

Un cours à choisir parmi les cours proposés ci-dessous.

✂ LKINE1039	Technology & Rehabilitation	Guillaume Bastien Massimo Penta (coord.)	FR [q2] [45h+15h] [4 Credits] 🌐			X
-------------	-----------------------------	---	---------------------------------	--	--	---

				Year		
				1	2	3
⌘ LKINE1040	Ergonomy and readaptation		10 [q2] [45h+15h] [4 Credits] 🌐			X
⌘ LKINE1396	Apprentissage moteur et neuroplasticité, module 1	Yannick Bleyenheuft	10 [q2] [45h+15h] [4 Credits] 🌐			X
⌘ LKINE1390A	Didactique des enseignements en kinésithérapie, 1re partie (partim A)		10 [q2] [10h+18h] [4 Credits] 🌐			X
⌘ LKINE1390B	Didactique des enseignements en kinésithérapie, 1re partie (partim B)		10 [q2] [10h+16h] [4 Credits] 🌐			X
⌘ LKINE1390C	Didactique des enseignements en kinésithérapie, 1re partie (partim C)		10 [q2] [10h+16h] [4 Credits] 🌐			X

List of available minors

During his bachelor's studies, the student may choose from the following options :

- a collection of courses, a personal projet and associated work experience in domains specific to Re-education : in Ergonomy, Technology and adapted physical and sportive activities. This provides an opening to Re-education and is complementary to the theoretical and practical training in kinesitherapeutic techniques.
- a collection of courses in other faculties or departments (Management, Public Health, Statistics, Philosophy, etc...)
- studies orientated towards scientific research, via a personal piece of work or laboratory work experience.

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](#).

FSM programs are being reformed

Did you register for this program *before* 2024-25? Consult the [2023-24 table](#) of activities with prerequisites.

Are you enrolling for the first time in the first year of your bachelor's degree in 2024-25? Follow [this link](#) to consult the table of activities with prerequisites intended for you.

Prerequisites list

- LANGL2451** "Anglais - Communication interactive" has prerequisite(s) LANGL1851
- LANGL1851 - English for physiotherapists and physical educators
- LIEPR1021** "Physiologie cellulaire" has prerequisite(s) LFSM1101 ET LFSM1104
- LFSM1101 - General chemistry and biomolecules
 - LFSM1104 - Biology and fundamentals in histology
- LIEPR1022** "Physiologie des systèmes" has prerequisite(s) LFSM1101 ET LFSM1104
- LFSM1101 - General chemistry and biomolecules
 - LFSM1104 - Biology and fundamentals in histology
- LIEPR1023A** "Sauvetage, réanimation et urgences de terrain (partim réanimation et urgence de terrain)" has prerequisite(s) LFSM1109 ET LKINE1011 ET LKINE1012
- LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1011 - Théorie de la formation psychomotrice de base
 - LKINE1012 - Pratique de la formation psychomotrice de base

- LIEPR1024** "Fondements neurophysiologiques et neuropsychologiques du contrôle et de l'apprentissage moteurs" has prerequisite(s) LFSM1101 ET LFSM1104 ET LKINE1006
- LFSM1101 - General chemistry and biomolecules
 - LFSM1104 - Biology and fundamentals in histology
 - LKINE1006 - Fondements d'électrothérapie
- LIEPR1025** "Physiologie et biochimie de l'exercice et nutrition" has prerequisite(s) LIEPR1021 ET LIEPR1022 ET LFSM1101 ET LFSM1104
- LIEPR1021 - Cellular physiology
 - LIEPR1022 - Systems Physiology
 - LFSM1101 - General chemistry and biomolecules
 - LFSM1104 - Biology and fundamentals in histology
- LIEPR1026** "Statistique" has prerequisite(s) LIEPR1003
- LIEPR1003 - Treatment of data
- LIEPR1027** "Activités physiques et sportives adaptées" has prerequisite(s) LKINE1011 ET LKINE1012 ET LKINE1025
- LKINE1011 - Théorie de la formation psychomotrice de base
 - LKINE1012 - Pratique de la formation psychomotrice de base
 - LKINE1025 - Physical activities and sports
- LKINE1021** "Techniques de base en kinésithérapie" has prerequisite(s) LKINE1005 ET LFSM1102 ET LFSM1003 ET LFSM1105 ET LFSM1109
- LKINE1005 - Fundamentals of locomotory physiotherapy
 - LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LFSM1105 - Physics
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
- LKINE1022** "Pathologies et kinésithérapie du système musculo-squelettique" has prerequisite(s) LFSM1102 ET LFSM1003 ET LFSM1105 ET LFSM1109 ET LKINE1005
- LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LFSM1105 - Physics
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1005 - Fundamentals of locomotory physiotherapy
- LKINE1023** "Pathologies et kinésithérapie du système cardio-respiratoire" has prerequisite(s) LFSM1102 ET LFSM1003 ET LKINE1006
- LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LKINE1006 - Fondements d'électrothérapie
- LKINE1024** "Pathologies et kinésithérapie du système nerveux" has prerequisite(s) LFSM1102 ET LFSM1003 ET LFSM1105 ET LFSM1107 ET LFSM1109
- LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LFSM1105 - Physics
 - LFSM1107 - Psychology
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
- LKINE1025** "Activités physiques et sportives" has prerequisite(s) LFSM1109 ET LKINE1011 ET LKINE1012
- LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1011 - Théorie de la formation psychomotrice de base
 - LKINE1012 - Pratique de la formation psychomotrice de base
- LKINE1026** "Motricité aquatique et éléments de sécurité" has prerequisite(s) LFSM1109 ET LKINE1011 ET LKINE1012
- LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1011 - Théorie de la formation psychomotrice de base
 - LKINE1012 - Pratique de la formation psychomotrice de base
- LKINE1027** "Introduction à la pathologie" has prerequisite(s) LFSM1107 ET LKINE1002
- LFSM1107 - Psychology
 - LKINE1002 - Handicaps and psychology
- LKINE1031** "Compléments de pathologie et de kinésithérapie du système musculo-squelettique" has prerequisite(s) LFSM1102 ET LFSM1003 ET LFSM1105 ET LFSM1109 ET LKINE1021
- LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LFSM1105 - Physics
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1021 - Basics of physical therapy
- LKINE1033** "Séminaire de rééducation motrice et de kinésithérapie" has prerequisite(s) LKINE1022
- LKINE1022 - Pathologies and physical therapy of the musculo-skeletal system
- LKINE1036** "Compléments de neurophysiologie" has prerequisite(s) LIEPR1021 ET LIEPR1022 ET LIEPR1024 ET LKINE1024
- LIEPR1021 - Cellular physiology
 - LIEPR1022 - Systems Physiology

- LIEPR1024 - Fundamentals of neurophysiology and neuropsychology in motor control and motor learning
 - LKINE1024 - Pathology and Physiotherapy of the nervous system
- LKINE1038** "Biophysique appliquée à la kinésithérapie" has prerequisite(s) LFSM1105 ET LFSM1109 ET LKINE1005 ET LKINE1006
- LFSM1105 - Physics
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1005 - Fundamentals of locomotory physiotherapy
 - LKINE1006 - Fondements d'électrothérapie
- LKINE1039** "Technologie et réadaptation" has prerequisite(s) LKINE1006
- LKINE1006 - Fondements d'électrothérapie
- LKINE1040** "Ergonomie et réadaptation" has prerequisite(s) LFSM1105 ET LFSM1109 ET LKINE1004
- LFSM1105 - Physics
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
 - LKINE1004 - Introduction to Ergonomy
- LKINE1041** "Compléments de pathologie et de kinésithérapie cardio-respiratoire" has prerequisite(s) LKINE1023
- LKINE1023 - Pathologies and physical therapy of the cardio-respiratory system
- LKINE1234** "Psychomotricité" has prerequisite(s) LFSM1107 ET LKINE1002 ET LKINE1011 ET LKINE1012
- LFSM1107 - Psychology
 - LKINE1002 - Handicaps and psychology
 - LKINE1011 - Théorie de la formation psychomotrice de base
 - LKINE1012 - Pratique de la formation psychomotrice de base
- LKINE1300** "Méthodologie de la recherche en kinésithérapie et réadaptation" has prerequisite(s) LIEPR1003 ET LANGL1851
- LIEPR1003 - Treatment of data
 - LANGL1851 - English for physiotherapists and physical educators
- LKINE1390A** "Didactique des enseignements en kinésithérapie, 1re partie (partim A)" has prerequisite(s) LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024 ET LKINE1006 ET LFSM1109
- LKINE1021 - Basics of physical therapy
 - LKINE1022 - Pathologies and physical therapy of the musculo-skeletal system
 - LKINE1023 - Pathologies and physical therapy of the cardio-respiratory system
 - LKINE1024 - Pathology and Physiotherapy of the nervous system
 - LKINE1006 - Fondements d'électrothérapie
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
- LKINE1390B** "Didactique des enseignements en kinésithérapie, 1re partie (partim B)" has prerequisite(s) LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024 ET LKINE1006 ET LFSM1109
- LKINE1021 - Basics of physical therapy
 - LKINE1022 - Pathologies and physical therapy of the musculo-skeletal system
 - LKINE1023 - Pathologies and physical therapy of the cardio-respiratory system
 - LKINE1024 - Pathology and Physiotherapy of the nervous system
 - LKINE1006 - Fondements d'électrothérapie
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
- LKINE1390C** "Didactique des enseignements en kinésithérapie, 1re partie (partim C)" has prerequisite(s) LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024 ET LKINE1006 ET LFSM1109
- LKINE1021 - Basics of physical therapy
 - LKINE1022 - Pathologies and physical therapy of the musculo-skeletal system
 - LKINE1023 - Pathologies and physical therapy of the cardio-respiratory system
 - LKINE1024 - Pathology and Physiotherapy of the nervous system
 - LKINE1006 - Fondements d'électrothérapie
 - LFSM1109 - Biomechanics and analysis of the musculoskeletal system
- LKINE1396** "Apprentissage moteur et neuroplasticité, module 1" has prerequisite(s) LIEPR1024 ET LKINE1234
- LIEPR1024 - Fundamentals of neurophysiology and neuropsychology in motor control and motor learning
 - LKINE1234 - Psychomotor therapy
- LKINE9034** "Stages cliniques (3 mois)" has prerequisite(s) LFSM1102 ET LFSM1003 ET LKINE1003 ET LKINE1005 ET LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024
- LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LKINE1003 - Handicap and Rehabilitation
 - LKINE1005 - Fundamentals of locomotory physiotherapy
 - LKINE1021 - Basics of physical therapy
 - LKINE1022 - Pathologies and physical therapy of the musculo-skeletal system
 - LKINE1023 - Pathologies and physical therapy of the cardio-respiratory system
 - LKINE1024 - Pathology and Physiotherapy of the nervous system
- LKINE9035** "Rapports de stages (3 mois de stages)" has prerequisite(s) LFSM1102 ET LFSM1003 ET LKINE1003 ET LKINE1005
- LFSM1102 - Essentials of systematic and functional anatomy
 - LFSM1003 - Anatomy of the locomotor system and movement analysis
 - LKINE1003 - Handicap and Rehabilitation
 - LKINE1005 - Fundamentals of locomotory physiotherapy
- LNEER2451** "Communication interactive néerlandaise - Niveau intermédiaire" has prerequisite(s) LANGL1851

- LANGL1851 - English for physiotherapists and physical educators

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.

Detailed programme per annual block

KINE1BA - 1ST ANNUAL UNIT

- 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...)

o Majeure

o Formation de base en sciences exactes et biomédicales

● LFSM1101	General chemistry and biomolecules	Patrick Henriët	[FR] [q1] [37.5h] [4 Credits] 🌐
● LFSM1102	Essentials of systematic and functional anatomy	Catherine Behets Wydemans (coord.) Ludovic Kaminski	[FR] [q1] [37.5h] [5 Credits] 🌐
● LFSM1103	Critical thinking and scientific posture		[FR] [q1] [37.5h] [4 Credits] 🌐
● LFSM1104	Biology and fundamentals in histology		[FR] [q2] [45h] [5 Credits] 🌐
● LFSM1105	Physics	Vincent Legat	[FR] [q1] [37.5h +15h] [5 Credits] 🌐
● LFSM1109	Biomechanics and analysis of the musculoskeletal system	Arthur Dewolf	[FR] [q2] [45h +15h] [5 Credits] 🌐
● LFSM1003	Anatomy of the locomotor system and movement analysis	Catherine Behets Wydemans (coord.) Arthur Dewolf	[FR] [q2] [52.5h] [6 Credits] 🌐
● LKNR1101	Introduction to research methods		[FR] [q2] [30h] [3 Credits] 🌐
● LKNR1102	Sustainable development		[FR] [q2] [22.5h] [2 Credits] 🌐
● LIEPR1003	Treatment of data [S] <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Yannick Bleyenheuft	[FR] [q2] [15h+15h] [4 Credits] △ 🌐

o Formation de base en sciences humaines

o LFSM1106	Philosophy and ethics in motor science	Jacob Schmutz	FB [q1] [30h] [3 Credits]
o LFSM1107	Psychology	Stefan Agrigoroaei Damien Brevers	FB [q1] [30h] [3 Credits]

o Formation théorique et pratique spécifique à la kinésithérapie

o LKNR1103	Introduction to the profession of physiotherapist		FB [q1] [30h] [4 Credits]
o LKNR1104	Health system and medical model		FB [q2] [45h] [6 Credits]
o LKNR1105	Evidence based practice (EBP) / Clinical reasoning 1		FB [q2] [30h] [3 Credits]
o LKINE1002	Handicaps and psychology <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FB [q2] [30h] [3 Credits] △
o LKINE1003	Handicap and Rehabilitation <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Christine Detrembleur	FB [q1] [30h] [3 Credits] △
o LKINE1004	Introduction to Ergonomy <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FB [q1] [30h] [3 Credits] △
o LKINE1005	Fundamentals of locomotory physiotherapy <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Christine Detrembleur (coord.)	FB [q2] [30h] [3 Credits] △
o LKINE1006	Fondements d'électrothérapie <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>	Julie Duque (coord.) Laurent Francis	FB [q2] [30h] [3 Credits] △

o Formation motrice

o LKINE1011	Théorie de la formation psychomotrice de base <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FB [q1] [30h] [2 Credits] △ > English- friendly
o LKINE1012	Pratique de la formation psychomotrice de base <i>Ce cours ne sera pas organisé en 2024-2025 car il ne fait plus partie du nouveau programme mis en place dès la rentrée. Il reste cependant répertorié dans le catalogue par obligation technique pendant la période de transition.</i>		FB [q2] [0h+30h] [2 Credits] △

o Sciences religieuses

Un cours à choisir parmi les cours proposés ci-dessous. Dans la perspective de leur formation, il est conseillé aux étudiant-es KINE de suivre le cours LTECO1004.

☒ LTECO1001	Societies, Cultures, Religions: biblical readings		FB [q2] [15h] [2 Credits]
☒ LTECO1002	Societies-cultures-religions : Human Questions	Paulo Jorge Dos Santos Rodrigues	FB [q1] [15h] [2 Credits]
☒ LTECO1004	Societies, cultures, religions : questions éthiques		FB [q1] [15h] [2 Credits]

KINE1BA - 2ND ANNUAL UNIT

- 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...)

o Majeure**o Formation de base en sciences exactes et biomédicales**

● LIEPR1023A	Sauvetage, réanimation et urgences de terrain (partim réanimation et urgence de terrain) ■		FR [q1] [15h] +15h] [3 Credits] 🌐
● LIEPR1021	Cellular physiology ■		FR [q1] [30h] [3 Credits] 🌐
● LIEPR1022	Systems Physiology ■	Nicolas Tajeddine	FR [q2] [37.5h] [4 Credits] 🌐
● LIEPR1024	Fundamentals of neurophysiology and neuropsychology in motor control and motor learning ■		FR [q1] [45h] [5 Credits] 🌐

o Formation théorique et pratique spécifique à la kinésithérapie

● LKINE1021	Basics of physical therapy ■	Catherine Behets Wydemans Arthur Dewolf Philippe Mahaudens (coord.)	FR [q1] [13h] +97.5h] [8 Credits] 🌐
● LKINE1022	Pathologies and physical therapy of the musculo-skeletal system ■		FR [q2] [60h] +26h] [8 Credits] 🌐
● LKINE1023	Pathologies and physical therapy of the cardio-respiratory system ■	William Poncin (coord.) Gregory Reyckler David Vancaeraynest	FR [q2] [45h] +30h] [7 Credits] 🌐 > English-friendly
● LKINE1024	Pathology and Physiotherapy of the nervous system ■	Yannick Bleyenheuft (coord.)	FR [q2] [30h] +45h] [7 Credits] 🌐
● LKINE1027	Introduction to pathology. ■		FR [q2] [35h] [3 Credits] 🌐

o Formation motrice

● LKINE1025	Physical activities and sports ■	Louise Deldicque	FR [q1+q2] [0h] +30h] [2 Credits] 🌐
● LKINE1026	Aquatics and safety issues ■	Louise Deldicque	FR [q1+q2] [7.5h] +30h] [2 Credits] 🌐
● LKINE1234	Psychomotor therapy ■	Christine Detrembleur	FR [q1] [7.5h] +15h] [4 Credits] 🌐

o Formation en langues

o LANGL1851	English for physiotherapists and physical educators	Fanny Desterbecq Sandrine Meirlaen Jean-Paul Nyssen (coord.)	EN [q1+q2] [45h] [4 Credits]
-------------	---	---	---------------------------------------

KINE1BA - 3RD ANNUAL UNIT

- 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...)

o Majeure**o Formation de base en sciences exactes et biomédicales**

○ LIEPR1025	Physiology and biochemistry of exercise and nutrition ■	Louise Deldicque Marc Francaux (coord.) Patrick Henriët	FR [q2] [75h +7.5h] [8 Credits] 🌐
○ LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation ■		FR [q2] [22.5h] [3 Credits] 🌐
○ LIEPR1026	Statistics ■	Céline Bugli	FR [q2] [15h +15h] [3 Credits] 🌐

o Formation théorique et pratique spécifique à la kinésithérapie

○ LKINE1038	Biomechanics applied to physiotherapy ■	Christine Detrembleur	FR [q1] [30h] [3 Credits] 🌐
○ LKINE1031	Complements physiotherapy and pathology of the musculoskeletal system ■		FR [q2] [20h +16h] [3 Credits] 🌐
○ LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy ■	William Poncin (coord.) Gregory Reychler	FR [q2] [30h] [3 Credits] 🌐
○ LKINE1036	Complements of Neurophysiology ■		FR [q2] [30h] [3 Credits] 🌐 > English-friendly
○ LKINE1033	Seminar of motor re-education and physiotherapy ■	Olivier Cornu Thierry Deltombe Christine Detrembleur (coord.) Julie Duque Thierry Lejeune Philippe Mahaudens Gaëtan Stoquart	FR [q1] [0h +7.5h] [3 Credits] 🌐
○ LKINE9034	Stages cliniques (3 mois) ■		FR [] [] [23 Credits] 🌐
○ LKINE9035	Rapports de stages (3 mois de stages) ■		FR [q1+q2] [] [2 Credits] 🌐

o Formation en langues**o Cours au choix**

Un cours à choisir parmi les cours proposés ci-dessous.

⌘ LANGL2451	English - communication skills 🟡	Stéphanie Brabant Charline Coduti (compensates) Sandrine Meirlaen Philippe Denis Maïté Dupont Claudine Grommersch (coord.) Carlo Lefevre Jean-Paul Nyssen Hila Peer Lutgarde Schrijvers Marine Volpe (compensates) Sandrine Meirlaen	EN [q2] [30h] [2 Credits] 🌐
⌘ LNEER2451	Dutch communication skills for students in Physiotherapy, Sports and Physical Training 🟡	Katrien De Rycke (coord.)	NL [q2] [30h] [2 Credits] 🌐

o Cours au choix

Un cours à choisir parmi les cours proposés ci-dessous.

⌘ LKINE1039	Technology & Rehabilitation 🟡	Guillaume Bastien Massimo Penta (coord.)	EN [q2] [45h +15h] [4 Credits] 🌐
⌘ LKINE1040	Ergonomy and readaptation 🟡		EN [q2] [45h +15h] [4 Credits] 🌐
⌘ LIEPR1027	Adapted physical activity 🟡		EN [q2] [30h +30h] [4 Credits] 🌐
⌘ LKINE1396	Apprentissage moteur et neuroplasticité, module 1 🟡	Yannick Bleyenheuft	EN [q2] [45h +15h] [4 Credits] 🌐
⌘ LKINE1390A	Didactique des enseignements en kinésithérapie, 1re partie (partim A) 🟡		EN [q2] [10h +18h] [4 Credits] 🌐
⌘ LKINE1390B	Didactique des enseignements en kinésithérapie, 1re partie (partim B) 🟡		EN [q2] [10h +16h] [4 Credits] 🌐
⌘ LKINE1390C	Didactique des enseignements en kinésithérapie, 1re partie (partim C) 🟡 Ce cours n'est pas organisé en 24-25.		EN [q2] [10h +16h] [4 Credits] 🌐

KINE1BA - Information

Access Requirements

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](#)
- [Specific access requirements](#)
- [Access based on validation of professional experience](#)
- [Special requirements to access some programmes](#)

General access requirements

Except as otherwise provided by other specific legal provisions, admission to undergraduate courses leading to the award of a Bachelor's degree will be granted to students with one of the following qualifications :

1. A Certificate of Upper Secondary Education issued during or after the 1993-1994 academic year by an establishment offering full-time secondary education or an adult education centre in the French Community of Belgium and, as the case may be, approved if it was issued by an educational institution before 1 January 2008 or affixed with the seal of the French Community if it was issued after this date, or an equivalent certificate awarded by the Examination Board of the French Community during or after 1994;
2. A Certificate of Upper Secondary Education issued no later than the end of the 1992-1993 academic year, along with official documentation attesting to the student's ability to pursue higher education for students applying for a full-length undergraduate degree programme;
3. A diploma awarded by a higher education institution within the French Community that confers an academic degree issued under the above-mentioned Decree, or a diploma awarded by a university or institution dispensing full-time higher education in accordance with earlier legislation;
4. A higher education certificate or diploma awarded by an adult education centre;
5. A pass certificate for one of the [entrance examinations](#) organized by higher education institutions or by an examination board of the French Community; this document gives admission to studies in the sectors, fields or programmes indicated therein;
6. A diploma, certificate of studies or other qualification similar to those mentioned above, issued by the Flemish Community of Belgium, the German Community of Belgium or the Royal Military Academy;
7. A diploma, certificate of studies or other qualification obtained abroad and deemed equivalent to the first four mentioned above by virtue of a law, decree, European directive or international convention;

Note:

Requests for equivalence must be submitted to the Equivalence department ([Service des équivalences](#)) of the Ministry of Higher Education and Scientific Research of the French Community of Belgium in compliance with the official deadline.

The following two qualifications are automatically deemed equivalent to the Certificate of Upper Secondary Education (Certificat d'enseignement secondaire supérieur – CESS):

- European Baccalaureate issued by the Board of Governors of a European School,
- International Baccalaureate issued by the International Baccalaureate Office in Geneva.

8. Official documentation attesting to a student's ability to pursue higher education (diplôme d'aptitude à accéder à l'enseignement supérieur - DAES), issued by the Examination Board of the French Community.

Specific access requirements

- Access to bachelor programmes for candidates of nationality outside the European Union who are not assimilated to Belgian nationals is subject to the following criteria:
 - not have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2023-2024, you must have obtained your diploma during the academic years 2020-2021, 2021-2022 ou 2022-2023. In the French Community of Belgium, the academic year runs from September 14 to September 13
 - not already hold an undergraduate degree
- Candidates, whatever their nationality, with a secondary school diploma **from a country outside the European Union**, must have obtained an average of 13/20 minimum or, failing that, have obtained this average, have passed one year of study in Belgium (for example special Maths / sciences). A non-successful year will not be taken into consideration.

- For any secondary school diploma **from a European Union country**, the admission request must contain the equivalence of your diploma or, at the very least, proof of the filing of the equivalence request with the Wallonia-Brussels Federation (French Community of Belgium). For any information relating to obtaining an equivalence, please refer to [the following site](#).
- For any secondary school diploma **from a country outside the European Union**, the admission application must contain the [equivalence of your diploma](#) issued by the Wallonia-Brussels Federation (French Community of Belgium). If you have a restrictive equivalence for the programme of your choice, in addition of it, you **must** have either the [DAES](#) or a certificate of successful completion of the [examination giving access to 1st cycle studies](#) when you submit your application

Access based on validation of professional experience

Admission to undergraduate studies on the basis of accreditation of knowledge and skills obtained through professional or personal experience (Accreditation of Prior Experience)

Subject to the general requirements laid down by the authorities of the higher education institution, with the aim of admission to the undergraduate programme, the examination boards accredit the knowledge and skills that students have obtained through their professional or personal experience.

This experience must correspond to at least five years of documented activity, with years spent in higher education being partially taken into account: 60 credits are deemed equivalent to one year of experience, with a maximum of two years being counted. At the end of an assessment procedure organized by the authorities of the higher education institution, the Examination Board will decide whether a student has sufficient skills and knowledge to successfully pursue undergraduate studies.

After this assessment, the Examination Board will determine the additional courses and possible exemptions constituting the supplementary requirements for the student's admission.

Special requirements to access some programmes

- Admission to **undergraduate studies in engineering: civil engineering and architect**

Pass certificate for the [special entrance examination for undergraduate studies in engineering: civil engineering and architect](#).

Admission to these courses is always subject to students passing the special entrance examination. Contact the faculty office for the programme content and the examination arrangements.

- Admission to **undergraduate studies in veterinary medicine**

[Admission to undergraduate studies in veterinary medicine is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in physiotherapy and rehabilitation**

[Admission to undergraduate studies in physiotherapy and rehabilitation is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in psychology and education: speech and language therapy**

[Admission to undergraduate studies in psychology and education: speech and language therapy is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

- Admission to **undergraduate studies in medicine and dental science**

[Admission to undergraduate studies in medicine and dental science is governed by the Decree of 16 June 2006 regulating the number of students in certain higher education undergraduate courses \(non-residents\)](#).

Note: students wishing to enrol for a **Bachelor's degree in Medicine** or a **Bachelor's degree in dental science** must first sit an [aptitude test \(fr\)](#).

Specific professional rules

These studies lead to a professional title subject to specific rules or restrictions on professional accreditation or establishment.

You will find the necessary legal information by [clicking here](#).

Teaching method

Throughout their bachelor's course in physiotherapy and rehabilitation, the student is confronted with varied learning systems: lectures, tutoring, forum theater sessions, practical work, internships.

Lecture courses are mainly present at the level of basic training in exact and biomedical sciences; teachers of these subjects nevertheless take care to encourage student proactivity, through the use of MOOCs and the organization of monitoring to complement the course, for example. More specific training in physiotherapy calls for more varied teaching methods, including practical work and monitoring.

Completing internships allows the student to use the skills acquired in courses and to familiarize themselves with the work environment specific to the profession of physiotherapist. Forum theater sessions accompanying the internships encourage the student's reflexivity and develop their therapeutic communication skills.

The training thus finds its richness and specificity in its numerous anchors:

- Training shared with physical education: in exact and biomedical sciences (anatomy, biology, chemistry, physics, physiology, neurophysiology, introduction to pathology), in human sciences (philosophy, psychology, critical thinking, analysis of scientific data) and in motor science (biomechanics, analysis of movement/locomotor system, exercise medicine).
- Training specific to physiotherapy: in exact and biomedical sciences (geriatrics, psychiatry, algology, neurophysiology) and in human sciences (research methods and data collection in health sciences, sustainable development, therapeutic communication, etc.).
- Motor skills training (running, fitness, coordination, swimming)
- Specific training in physiotherapy techniques (clinical reasoning, basic physiotherapy techniques, palpatory anatomy, pathologies and physiotherapy of different systems).
- Clinical internships with support sessions.
- Language training.

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".

The evaluation methods comply with the [regulations for studies and examinations](#). More details on the methods specific to each learning unit are available in their descriptive sheet, in the "Method of evaluating student learning" section.

For theoretical courses, the evaluation is done on the basis of a written or oral exam depending on the course and can be combined and/or replaced by elements of continuous evaluation.

For practical training, the evaluation is continuous and is possibly supplemented by a final evaluation.

The evaluation procedures for each course are communicated to students at the start of the course.

Mobility and/or Internationalisation outlook

During your course in physiotherapy and rehabilitation, you will have the possibility of carrying out a study stay or part of your internship in a foreign country thanks to partnerships developed by the Faculty of Motor Sciences. Students who are particularly aware of the specific issues raised by rehabilitation in third world countries can also carry out an internship in Africa (for example: Benin) or in South-East Asia (for example: Vietnam).

Conditions: see the FSM [mobility](#) page

Possible trainings at the end of the programme

The bachelor's degree gives access to the master's degree (60 credits) in physiotherapy and rehabilitation without prerequisites. This master's program leads to the professional title of physiotherapist.

Contacts

Curriculum Management

Faculty

Structure entity	SSS/FSM
Denomination	Faculty of Movement and Rehabilitation Sciences (FSM)
Sector	Health Sciences (SSS)
Acronym	FSM
Postal address	Place Pierre de Coubertin 1 - bte L8.10.01 1348 Louvain-la-Neuve Tel: +32 (0) 10 47 44 19 - Fax: +32 (0) 10 47 31 06

Mandate(s)

- Dean : Marc Francaux

Commission(s) of programme

- Commission d'encadrement en éducation par le mouvement ([EDPM](#))
- Commission d'encadrement en sport, exercices physiques et santé ([EXRC](#))
- Commission d'encadrement en physiologie et biomécanique de la locomotion ([LOCO](#))
- Commission d'encadrement en réadaptation et médecine physique ([READ](#))

Academic supervisor: [Julie Duque](#)

Jury

- Président de jury: [Patrick Henriet](#)
- Secrétaire de jury: [William Poncin](#)

Useful Contact(s)

- Contact: [Emmanuel Ugeux](#)

