

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

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.

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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.

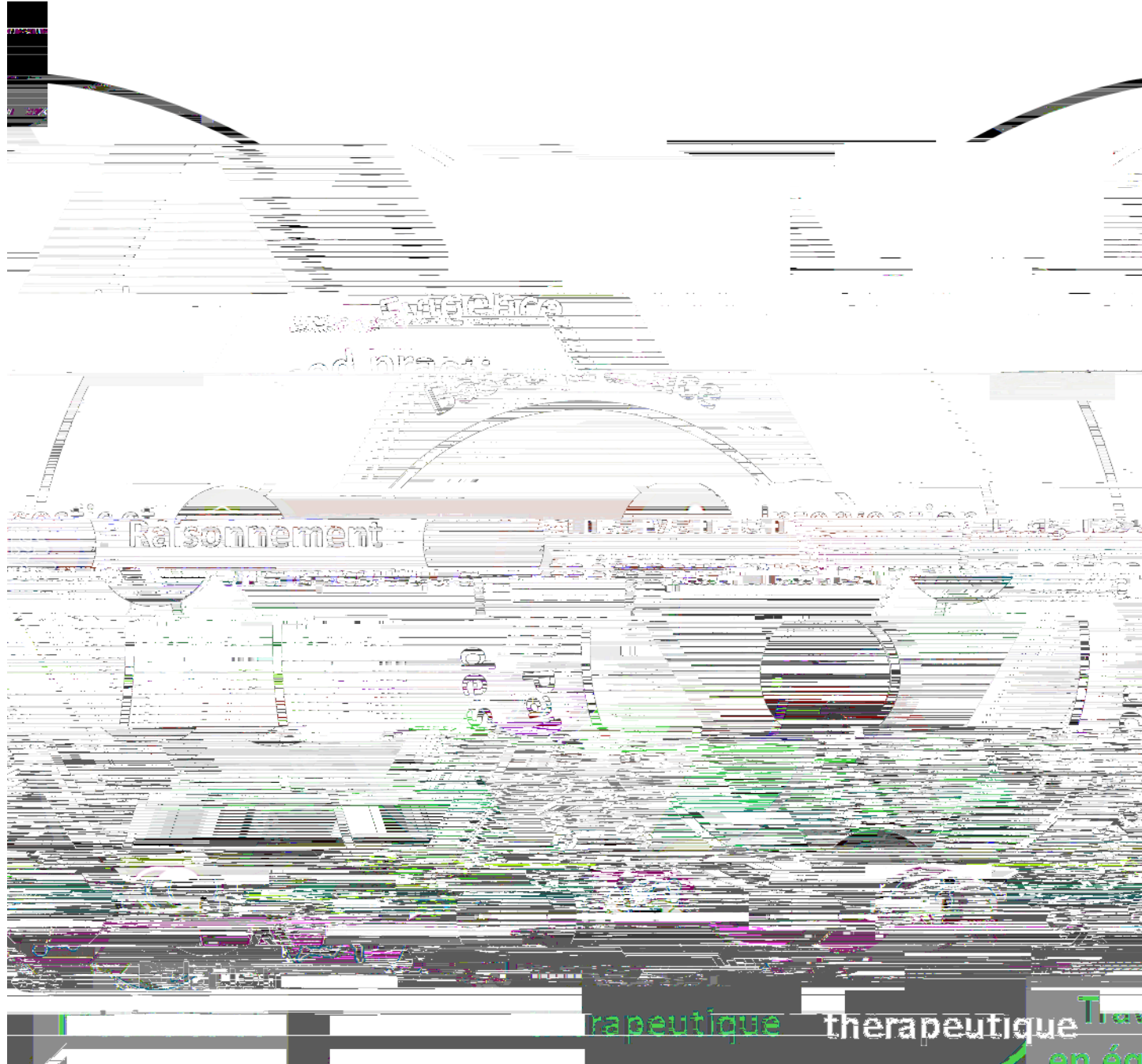
Did you enroll in this program before 2024-25? For the ' Learning outcomes' section intended for you, refer to [the program published in 2023-24](#).

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.

Attitude

Attitude

Attitude



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 : tude

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

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- 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.

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 9 rqj0 re f BT /F1 8 first year of bach.

				Year		
				1	2	3
○ LFSM1107	Psychology	Stefan Agrigoroaei Bénédicte Thonon (compensates Damien Brevers)	EX [q1] [30h] [3 Credits]	x		

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

○ LKNR1103	Introduction to the profession of physiotherapist	Marie Delens Christine Detrembleur William Poncin (coord.) Henri Thonon	EX [q1] [30h] [4 Credits]	x		
○ LKNR1104	Health system and medical model	Christine Detrembleur Bénédicte Schepens (coord.)	EX [q2] [45h] [6 Credits]	x		
○ LKNR1105						



				Year		
				1	2	3
○ LKINE1031	Complements physiotherapy and pathology of the musculoskeletal system 📄	Xavier Banse Frank Bom Thierry Deltombe (coord.) Philippe Mahaudens Caroline Meyer Laurent Pitance Clara Selves	EX [q2] [20h+16h] [3 Credits] 🌐			x
○ LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy 📄	Jean-Bernard Michotte William Poncin (coord.) Gregory Reychler	EX [q2] [30h] [3 Credits] 🌐			

				Year		
				1	2	3
⌘ LKINE1039	Technology & Rehabilitation 📄	Guillaume Bastien Massimo Penta (coord.)	📄 [q2] [45h+15h] [4 Credits] 🌐			x
⌘ LKINE1040	Ergonomy and readaptation 📄	Bénédicte Schepens	📄 [q2] [45h+15h] [4 Credits] 🌐			x
⌘ LIEPR1027	Adapted physical activity 📄					

- 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

- 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

- 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

○ LKNR1101	Introduction to research methods	Dominique De Jaeger	FB [q2] [30h] [3 Credits]
○ LKNR1102	Sustainable development	Marie Berquin Agnès-Alérie-Anne Ntrain (coord.) Agnès Modrie	FB [q2] [22.5h] [2 Credits]
○ LIEPR1003	Treatment of data <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	FB [q2] [15h+15h] [4 Credits] △

○ Formation de base en sciences humaines

○ LFSM1106	Philosophy and ethics in motor science	Jacob Schmutz	FB [q1] [30h] [3 Credits]
○ LFSM1107	Psychology	Stefan Agrigoroaei Bénédicte Thonon (compensates Damien Brevers)	FB [q1] [30h] [3 Credits]

○ Formation théorique et pratique spécifique à la kinésithérapie

○ LKNR1103	Introduction to the profession of physiotherapist	Marie Delens Christine Detrembleur William Poncin (coord.) Henri Thonon	FB [q1] [30h] [4 Credits]
○ LKNR1104	Health system and medical model	Christine Detrembleur Bénédicte Schepens (coord.)	



○ LIEPR1003



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KINE1012

Pratique de la formation psychomotrice de base

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.

[q2]
[0h+30h]
[2 Credits]
△

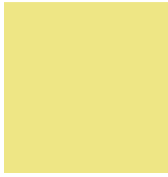
☛ Sciences religieuses

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

○ LKINE1234	Psychomotor therapy 🇯🇵	Christine Detrembleur	🇯🇵 [q1] [7.5h +15h] [4 Credits] 🌐
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○ Formation en langues



KINE1BA - 3RD ANNUAL UNIT

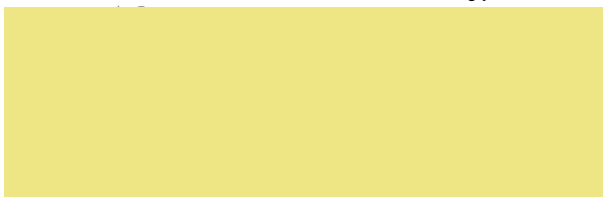
○ LKIN90346

William Poncin (coord.)

2]

- 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

h] 2[3
Credits] 🌐



Additional information (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 Henriot	FR [q2] [75h +7.5h] [8 Credits] 🌐
○ LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation 🟡	Robert Hardwick (coord.) Sophie Patris Gregory Reyckler	FR [q2] [22.5h] [3 Credits] 🌐
○ LIEPR1026	Statistics 🟡	Céline Bugli	FR [q2] [15h +15h] [3 Credits] 🌐

o Théorie et pratique spécifique à la kinésithérapie

	Bio-mechanics applied to physiotherapy 🟡	Christine Detrembleur	FR [q1] [30h] [3 Credits] 🌐
○ LKINE1031	Complements physiotherapy and pathology of the musculoskeletal system 🟡	Xavier Banse Frank Bom Thierry Deltombe (coord.) Philippe Mahaudens Caroline Meyer Laurent Pitance Clara Selves	FR [q2] [20h +16h] [3 Credits] 🌐
E1041	Complements of Pathology and cardio-respiratory physiotherapy 🟡	Jean-Bernard Michotte William Poncin (coord.) Gregory Reyckler	FR [q2] [30h] [3 Credits] 🌐
○ LKINE1036	Complements of Neurophysiology 🟡	Julie Duque (coord.) Robert Hardwick Sylvie Nozaradan	FR [q2] [30h] [3 Credits] 🌐
○ LKINE1036		Thierry Deltombe Christine Philippe Mahaudens	FR [q1] 20h +7.5h] [3 Credits] 🌐

ThierryLejeune

⌘ LANGL2451	English - communication skills 🇺🇸	Stéphanie Brabant Philippe Denis Marie Duelz Claudine Grommersch (coord.) Carlo Lefevre Sandrine Meirlaen Jean-Paul Nyssen Lutgarde Schrijvers	EN [q2] [30h] [2 Credits] 🌐
⌘ LNEER2451	Dutch communication skills for students in Physiotherapy, Sports and Physical Training 🇳🇱	Katrien De Rycke (coord.)	NE [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] 🌐
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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 2024-2025, you must have obtained your diploma during the academic years 2021-2022, 2022-2023 ou 2023-2024. 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

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).

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](#)

