UCLouvain

KINE1BA

2024 - 2025

Bachelor in Physiotherapy and Rehabilitation

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 patie.nt 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

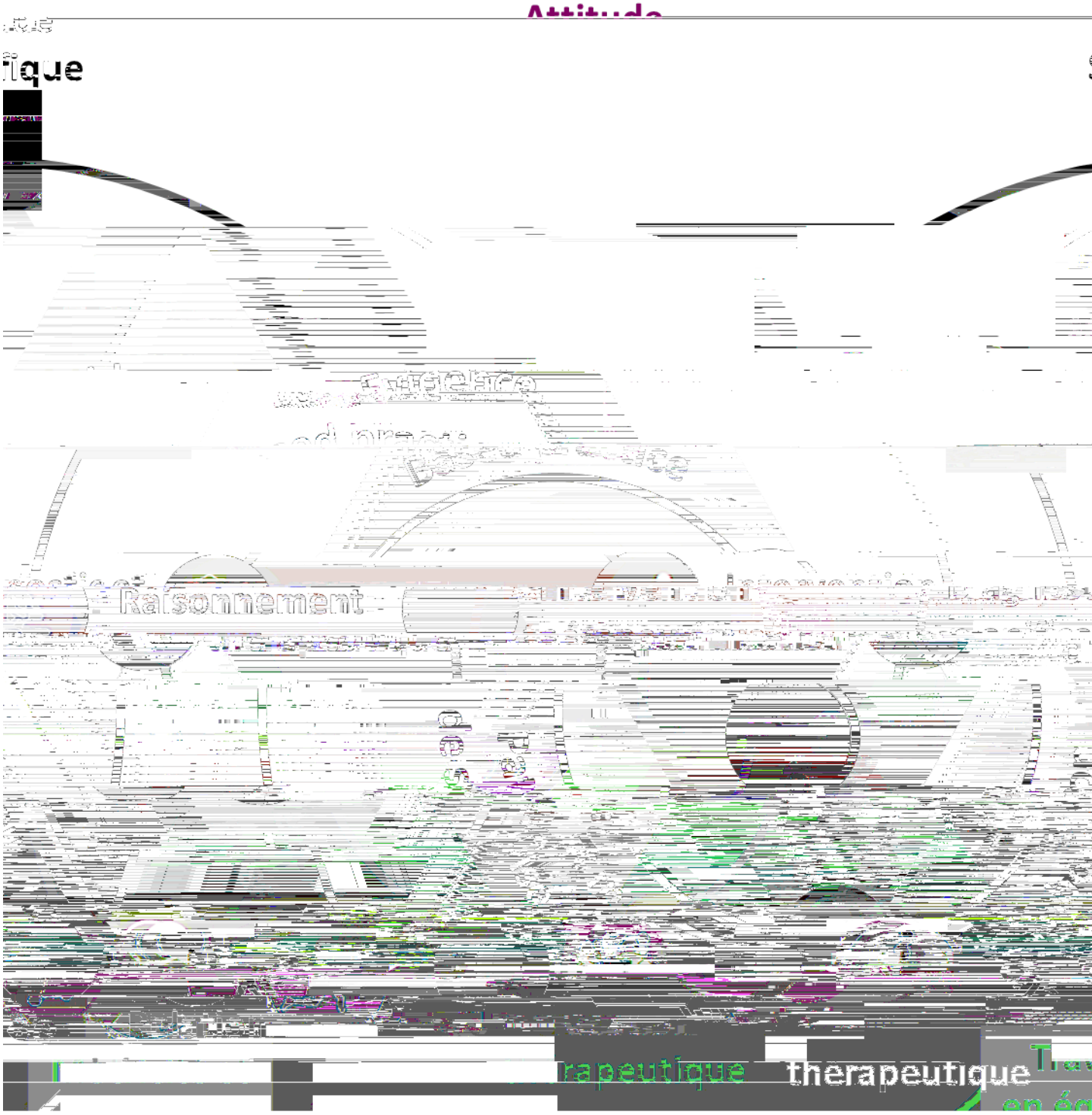
Learning outcomes

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.



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 patientCommunicate 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.

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.

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

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

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

[redacted]

				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	FR [q2] [20h+16h] [3 Credits]			x
LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy	Jean-Bernard Michotte William Poncin (coord.) Gregory Reychler	FR [q2] [30h] [3 Credits]			

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

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
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- 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 - Anatomy63299942t32001844.15eh98ov- Foncs and anecules
- LINE1005 - necules

- 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 - Fundementals of neurophysiology and neuropsychology in motor control and motor learning
- LKINE1024 - Pathology and Physiotherapy of the nervous system

LKNR1101	Introduction to research methods	Dominique De Jaeger	FR [q2] [30h] [3 Credits]
LKNR1102	Sustainable development	nne Berquin alérie-Anne ntrain (coord.) uline Modrie	FR [q2] [22.5h] [2 Credits]
LIEPR1003	Treatment of data *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.*	Yannick Bleyenheuft	FR [q2] [15h+15h] [4 Credits] Δ

Formation de base en sciences humaines

LFSM1106	Philosophy and ethics in motor science	Jacob Schmutz	FR [q1] [30h] [3 Credits]
LFSM1107	Psychology	Stefan Agrigoroaei Bénédicte Thonon (compensates Damien Brevers)	FR [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	FR [q1] [30h] [4 Credits]
LKNR1104	Health system and medical model	Christine Detrembleur Bénédicte Schepens (coord.)	

LIEPR1003

LIEPR1003

LKINE1012	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.*		FR [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	FR [q1] [7.5h +15h] [4 Credits]

Formation en langues

KINE1BA - 3RD ANNUAL UNIT

LKIN90346		William Poncin (coord.)	2] h] 2[3 Credits]

- 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

d informations (objectives, methods, evaluation...)

Majeure

Formation de base en sciences exactes et biomédicales

LIEPR1025	Physiology and biochemistry of exercise and nutrition	Louise Deldicque Marc Francaux (coord.) Patrick Henriet	FR [q2] [75h +7.5h] [8 Credits]
LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation	Robert Hardwick (coord.) Sophie Patris Gregory Reychler	FR [q2] [22.5h] [3 Credits]
LIEPR1026	Statistics	Céline Bugli	FR [q2] [15h +15h] [3 Credits]

orique et pratique spécifique à la kinésithérapie

	omechanics 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 Reychler	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.)	NL [q2] [30h] [2 Credits]

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]

- 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 medecine 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).
- Access to **Bachelor of Science in Business Engineering**

  The Bachelor of Science in Business Engineering is a joint program organised by KU Leuven and UCLouvain Saint-Louis Bruxelles. In order to register, all candidate must first submit an application via the KU Leuven admission platform. The conditions of access to this programme are specific.

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