



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.

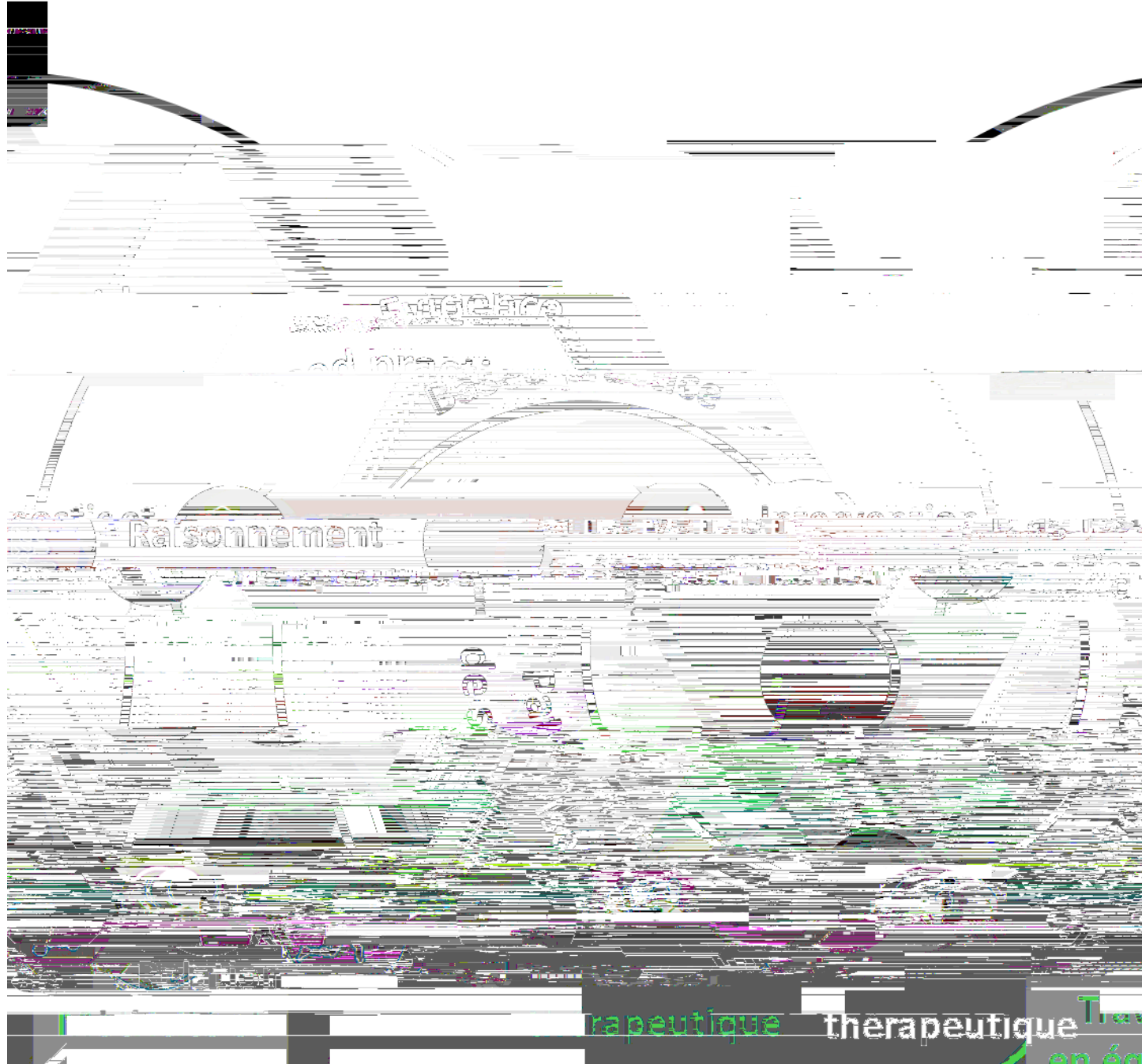
Did you enroll in this program before 2024-25? For the ' Learning outcomes' section intended for you, refer to [the program published in 2023-24](#).

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.

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

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.
 - 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).

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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 (In3i59 0 0 -1 0 307.56)

- 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]

x

Year

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

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

○ LKNR1103	Introduction to the profession of physiotherapist	
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				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

- LFSM1101 - [General chemistry and biomolecules](#)
 - LFSM1104 - [Biology and fundamentals in histology](#)
- LIEPR1022** "[Systems Physiology](#)" has prerequisite(s) LFSM1101 AND 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 AND LKINE1011 AND 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** "[Fundamentals of neurophysiology and neuropsychology in motor control and motor learning](#)" has prerequisite(s) LFSM1101 AND LFSM1104 AND LKINE1006
- LFSM1101 - [General chemistry and biomolecules](#)
 - LFSM1104 - [Biology and fundamentals in histology](#)
 - LKINE1006 - [Fondements d'électrothérapie](#)
- LIEPR1025** "[Physiology and biochemistry of exercise and nutrition](#)" has prerequisite(s) LIEPR1021 AND LIEPR1022 AND LFSM1101 AND LFSM1104
- LIEPR1021 - [Cellular physiology](#)
 - LIEPR1022 - [Systems Physiology](#)
 - LFSM1101 - [General chemistry and biomolecules](#)
 - LFSM1104 - [Biology and fundamentals in histology](#)
- LIEPR1026** "[Statistics](#)" has prerequisite(s) LIEPR1003
- LIEPR1003 - [Treatment of data](#)
- LIEPR1027** "[Adapted physical activity](#)" has prerequisite(s) LKINE1011 AND LKINE1012 AND LKINE1025
- LKINE1011 - [Théorie de la formation psychomotrice de base](#)
 - LKINE1012 - [Pratique de la formation psychomotrice de base](#)
 - LKINE1025 - [Physical activities and sports](#)
- LKINE1021** "[Basics of physical therapy](#)" has prerequisite(s) LKINE1005 AND LFSM1102 AND LFSM1003 AND LFSM1105 AND 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 and physical therapy of the musculo-skeletal system](#)" has prerequisite(s) LFSM1102 AND LFSM1003 AND LFSM1105 AND LFSM1109 AND LKINE1005
- LFSM1102 - [Essentials of systematic and functional anatomy](#)

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- 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](#)
- LFSM1109
- LKINE1033** "[Seminar of motor re-education and physiotherapy](#)" has prerequisite(s) LKINE1022
- LKINE1022 - [Pathologies and physical therapy of the musculo-skeletal system](#)
- LKINE1036** "[Complements of Neurophysiology](#)" has prerequisite(s) LIEPR1021 AND LIEPR1022 AND LIEPR1024 AND 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** "[Biomechanics applied to physiotherapy](#)" has prerequisite(s) LFSM1105 AND LFSM1109 AND LKINE1005 AND LKINE1006
- LFSM1105 - [Physics](#)
 - LFSM1109 - [Biomechanics and analysis of the musculoskeletal system](#)
 - LKINE1005 - [Fundamentals of locomotory physiotherapy](#)
 - LKINE1006 - [Fondements d'électrothérapie](#)
- LKINE1039** "[Technology & Rehabilitation](#)" has prerequisite(s) LKINE1006
- LKINE1006 - [Fondements d'électrothérapie](#)
- LKINE1040** "[Ergonomy and readaptation](#)" has prerequisite(s) LFSM1105 AND LFSM1109 AND LKINE1004
- LFSM1105 - [Physics](#)
 - LFSM1109 - [Biomechanics and analysis of the musculoskeletal system](#)
 - LKINE1004 - [Introduction to Ergonomy](#)
- LKINE1041** "[Complements of Pathology and cardio-respiratory physiotherapy](#)" has prerequisite(s) LKINE1023
- LKINE1023 - [Pathologies and physical therapy of the cardio-respiratory system](#)
- LKINE1234** "[Psychomotor therapy](#)" has prerequisite(s) LFSM1107 AND LKINE1002 AND LKINE1011 AND 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 AND LANGL1851
- LIEPR1003 - [Treatment of data](#)
 - LANGL1851

○ LFSM1003	Anatomy of the locomotor system and movement analysis	Catherine Behets Wydemans (coord.) Arthur Dewolf	FS [q2] [52.5h] [6 Credits] 
○ LKNR1101	Introduction to research methods	Dominique De Jaeger	FS [q2] [30h] [3 Credits] 
○ LKNR1102	Sustainable development	Anne Berquin Valérie-Anne Chantrain (coord.) Pauline Modrie	FS [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	FS [q2] [15h+15h] [4 Credits] △ 



KINE1BA - 2ND ANNUAL UNIT

- Mandatory
 - ✘ Optional
 - △ Not offered in 2024-2025
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○ LKINE1234	Psychomotor therapy 🇯🇵	Christine Detrembleur	PS [q1] [7.5h +15h] [4 Credits] 🌐
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○ Formation en langues

○ LANGL1851	English for physiotherapists and physical educators	Fanny Desterbecq Sandrine Meirlaen Jean-Paul Nyssen (coord.) Hila Peer Mark Theodore Pertuit Florence Simon	ES [q1+q2] [45h] [4 Credits] 🌐
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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

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EN	ANGL2451	English - communication skills 	Stéphanie Brabant Philippe Denis Claudine Grommersch (coord.) Carlo Lefevre Sandrine Meirlaen Jean-Paul Nyssen Lutgarde Schrijvers	EN [q2] [30h] [2 Credits] 
	NEER2451			

- 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 \(fr\)](#).

- 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).
- 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

