

At Louvain-la-Neuve - 180 credits - 3 years - Day schedule - In FrenchDissertation/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**

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KINE1BA - Introduction

Introduction

KINE1BA - Teaching profile

Learning outcomes

Supplying the expert response in an aim to restore the potentialities of somebody who is ill, wounded or handicapped, at different stages of his life, such is the challenge that the student of Kinesitherapy and Rehabilitation prepares himself to take on in the practice of this profession. Making sure that the student is ready for that is the objective of the Kinesitherapy and Rehabilitation (KINE) study programme offered at the Institute of Physical Education and Rehabilitation (IEPR).

The expert in Kinesitherapy and Rehabilitation is an expert in health :

- he masters the characteristics of movement and its effects for therapeutic purposes
- he is familiar with pathologies and the principal characteristics of the patients who are suffering from them
- he is capable of organising, communicating and mobilising his knowledge and skills in an appropriate manner
- he is open to rigorously evaluating and updating his working methods and techniques

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

1. utiliser de manière critique des savoirs et des savoir-faire (méthodologiques, techniques, et pratiques), issus de manuels et de publications scientifiques (notamment en anglais) validés qui relèvent des différents domaines de la kinésithérapie et de la réadaptation.

1.1. rechercher dans la littérature scientifique les données récentes

1.2. évaluer la qualité des données de la littérature, en extraire les données les plus pertinentes et les synthétiser

2. Réaliser le diagnostic, concevoir et mettre en œuvre l'intervention en kinésithérapie et réadaptation dans le cas de problèmes simples et usuels.

2.1. Collecter et interpréter les informations relatives aux besoins du patient, en vue de réaliser le diagnostic à partir de l'anamnèse et de l'examen clinique kinésithérapeutique

2.2. Planifier et ajuster le bilan fonctionnel du patient

2.3. Construire avec ses formateurs l'intervention en kinésithérapie et réadaptation à partir du diagnostic

3. Evaluer de manière critique l'intervention en kinésithérapie et réadaptation et l'adapter, avec ses formateurs

3.1. Evaluer la qualité de sa démarche thérapeutique

3.2. Evaluer chacune des phases du traitement et rapporter les résultats par écrit et oralement à son formateur

4. Adapter sa communication aux objectifs d'intervention, aux caractéristiques des interlocuteurs (pairs, patients et formateurs) et du contexte.

4.1. Communiquer les résultats de sa recherche bibliographique à ses pairs

4.2. Expliquer et argumenter ses avis et ses points de vue à ses interlocuteurs (pairs, patients et formateurs).

4.3. Dialoguer de façon efficace et adaptée avec ses interlocuteurs (pairs, patients et formateurs), en faisant preuve de capacité d'écoute et d'assertivité.

4.4. Utiliser efficacement différentes techniques et divers outils de communication (supports visuels, présentation, langages verbal et corporel, ...).

5. Travailler seul et en équipe pour atteindre les objectifs fixés et produire des résultats positifs dans le contexte de la kinésithérapie et réadaptation.

5.1. Décoder et améliorer, le cas échéant, sa position dans un groupe de professionnels de la kinésithérapie et réadaptation et de la santé, ses rôles, ses modes d'animation, y compris ses dynamiques émotionnelles.

5.2. Animer efficacement un groupe de pairs, en utilisant des méthodologies et des techniques appropriées.

6. Développer son autonomie, sa proactivité dans l'acquisition de nouveaux savoirs et de nouvelles compétences.

6.1. Développer des stratégies pour acquérir, maintenir, mettre à jour ses connaissances et compétences.

6.2. Inscrire sa formation dans le temps, formuler des projets personnels et professionnels.

7. Mettre en œuvre une démarche scientifique et technique en se souciant de l'éthique et de la déontologie professionnelle.

7.1. citer et référencer son travail conformément aux standards du monde scientifique,

7.2. s'engager dans le développement des connaissances et de l'intervention en kinésithérapie et réadaptation, en considérant les aspects sociaux, philosophiques et éthiques.

Programme structure

It is through the study of movement that the Institute of Physical Education and Rehabilitation affirms its specialisation within the University and society.

The two main programmes of the IEPR are that of Kinesitherapy (KINE) and Physical Education (EDPH).

The evolution of these disciplines situates the IEPR in a much wider environment - namely that of Movement Science.

Therefore, at the beginning of their studies in Kinesitherapy and Rehabilitation, the students share their general study programme in Sciences and part of that of Movement Science, with the students of Physical Education.

Those students desirous of obtaining both diplomas will manage this double training programme more easily by commencing with the studies in Physical Education.

The studies in Kinesitherapy and Rehabilitation are based on mastering the techniques and methods of Kinesitherapy and Rehabilitation. This practical study programme focuses on Movement Science, a meeting point between the Exact Sciences, Biomedical Sciences and Human Sciences.

Right from the first year of studies, the standard programme offers practical training courses specific to those studying Kinesitherapy and Rehabilitation.

The specific nature of the studies in Kinesitherapy and Rehabilitation is therefore clearly present from the outset and is reinforced even more so from the second year on.

Similarly, in the third year of the bachelor's studies, the standard course offers the student the possibility to choose options which will enable him to enrich his training programme. (Ces 3 phrases se répètent ci-dessous - voir en italique)

Scheduled for around twenty hours per week, the programme leaves the student with sufficient time for personal study.

Principal Subjects

The training delivered during the bachelor's programme of Kinesitherapy and Rehabilitation owes its richness and its specific nature to its multiple anchorages.

From the very first year on, the standard programme provides the student with specific practical training in Kinesitherapy and Rehabilitation. This practical training, of around 3.5 hours per week, is linked to specific theoretical studies (4 hours per week) as well as to studies in the Basic Sciences, shared with the students of Physical Education (12 hours per week).

The specific nature of the Kinesitherapy and Rehabilitation programme is thus present right from the outset and is reinforced even more from the second year on, as illustrated below.

Similarly, during the bachelor's studies, the standard programme offers the student the possibility to choose options courses to enrich his education.

Scheduled around approximately twenty hours per week, the programme thus leaves the student sufficient time for personal study. ?????????????? (ces 3 phrases répètent le contenu ci-dessus!)

And so, the bachelor's of Kinesitherapy and Rehabilitation totals 180 credits, divided, for a standard programme, into 3 years of 60 credits. This three year division takes the prerequisites into account and is the standard programme for any student who passes each year of his studies.

Personal practical training, specific to the KINE

Basic training in Psychomotricity

Practical and theoretical training in kinesitherapy techniques

Palpatory Anatomy and Patient Assessment - Didactics of adapted physical activities and re-education exercises - Pathology, Vademecum and Kinesitherapeutic and Psychomotricity techniques

Hospital work experience

Training in the Exact, Biomedical and Human Sciences and in Movement Science, shared with the EDPH

Anatomy - Analysis of Movement - Biology - Chemistry - Understanding and processing data - Mechanics and Bio-mechanics - Neuro-physiology and Neuro-psychology - Philosophy - Physiology - Psychology

Studies in Sciences and in the Movement Science specific to the KINE

Electricity - Re-education action means - Pathology and Physiopathology - Psychology and Handicaps - Physiology and Bio-mechanics applied to Kinesitherapy - Health Care Organisation, Law, Ethics and Deontology

Language training

KINE1BA Programme

Detailed programme by subject

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊙ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [FR] Teaching language (FR, EN, ES, NL, DE, ...)

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

Year

1 2 3

○ Majeure (180 credits)

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

○ LIEPR1001	General chemistry and biomolecules	Patrick Henriet	[FR] [q1] [30h+15h] [5 Credits]	X		
○ LIEPR1002	Essentials of systematic and functional anatomy	Catherine Behets Wydemans (coord.) Marc Louis	[FR] [q1] [45h] [6 Credits]	X		
○ LIEPR1028	Anatomy of the locomotor system and movement analysis	Catherine Behets Wydemans (coord.) Marc Louis Patrick Willems	[FR] [q2] [52.5h+7.5h] [7 Credits]	X		
○ LIEPR1003	Treatment of data	Yannick Bleyenheuft	[FR] [q2] [15h+15h] [4 Credits]	X		
○ LIEPR1004	Cell biology and fundamentals in histology	Catherine Behets Wydemans Patrick Henriet	[FR] [q2] [45h] [5 Credits]	X		
○ LIEPR1011	Mécanique	Vincent Legat	[FR] [q1] [30h+15h] [4 Credits]	X		
○ LIEPR1012	Biomechanics	Patrick Willems	[FR] [q2] [30h+15h] [4 Credits]	X		
○ LIEPR1023A	Sauvetage, réanimation et urgences de terrain (partim réanimation et urgence de terrain) ■	Eddy Bodart Pierre Bulpa (coord.) Patrick Evrard Maximilien Gourdin Geoffrey Horlait Isabelle Michaux Henri Thonon	[FR] [q1] [15h+15h] [3 Credits]		X	
○ LIEPR1021	Cellular physiology ■	Marc Francaux	[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 ■	Julie Duque (coord.) Lieve Filbrich (compensates) Julie Duque Anne Klöcker (compensates) Julie Duque Marcus Missal (coord.)	[FR] [q1] [45h] [5 Credits]		X	
○ LIEPR1025	Physiology and biochemistry of exercise and nutrition ■	Sonia Brichard Marc Francaux (coord.) Yvan Larondelle	[FR] [q2] [75h+7.5h] [8 Credits]			X
○ LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation ■	Julie Duque (coord.) Robert Hardwick (coord.) Sophie Patris Gregory Reychler	[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)

○ LIEPR1006	Philosophy, the body and movement	Jacob Schmutz	FR [q1] [30h] [3 Credits]	X		
○ LIEPR1007	Psychology	Stefan Agrigoroaei Damien Brevers	FR [q1] [30h] [3 Credits]	X		

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

○ LKINE1002	Handicaps and psychology	Stéphanie Mazzone	FR [q2] [30h] [3 Credits]	X		
○ LKINE1003	Handicap and Rehabilitation	Christine Detrembleur	FR [q1] [30h] [3 Credits]	X		
○ LKINE1004	Introduction to Ergonomy	Bénédicte Schepens	FR [q1] [30h] [3 Credits]	X		
○ LKINE1005	Fundamentals of locomotory physiotherapy	Patrick Willems	FR [q2] [30h] [3 Credits]	X		
○ LKINE1006	Fondements d'électrothérapie	Laurent Francis (coord.) Dimitri Lederer Dimitri Lederer (compensates Julie Duque)	FR [q2] [30h] [3 Credits]	X		
○ LKINE1021	Basics of physical therapy 🟡	Catherine Behets Wydemans Philippe Mahaudens Laurent Pitance Patrick Willems (coord.)	FR [q1] [13h+97.5h] [8 Credits]		X	
○ LKINE1022	Pathologies and physical therapy of the musculo-skeletal system 🟡	Thierry Deltombe (coord.) Jean-Emile Dubuc Philippe Mahaudens Laurent Pitance Anne Renders Didier Schoevaerdt Clara Selves	FR [q2] [60h+26h] [8 Credits]		X	
○ LKINE1023	Pathologies and physical therapy of the cardio-respiratory system 🟡	William Poncin (coord.) Gregory Reyckler David Vancraeynest	FR [q2] [45h+30h] [7 Credits]		X	
○ LKINE1024	Pathology and Physiotherapy of the nervous system 🟡	Philippe Hanson (coord.) Eric Mormont Gaëtan Stoquart	FR [q2] [30h+45h] [7 Credits]		X	
○ LKINE1027	Introduction to pathology. 🟡	Bénédicte Delaere Etienne Delgrange Denis Jacques (coord.)	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 🟡	Thierry Deltombe (coord.) Philippe Mahaudens Laurent Pitance Clara Selves Simon Vandergugten Delphine Wautier	FR [q2] [20h+16h] [3 Credits]			X
○ LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy 🟡	William Poncin (coord.) Gregory Reyckler Xavier Wittebole	FR [q2] [30h] [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 🟡	Julie Duque (coord.) Robert Hardwick Sylvie Nozaradan (coord.)	FR [q2] [30h] [3 Credits]			X
○ LKINE9034	Stages cliniques (3 mois) 🟡	Patrick Willems (coord.)	FR [] [] [23 Credits]			X
○ LKINE9035	Rapports de stages (3 mois de stages) 🟡	Patrick Willems (coord.)	FR [q1+q2] [] [2 Credits]			X

o Formation motrice (12 credits)

○ LKINE1011	Théorie de la formation psychomotrice de base	Sebastiaan de Geus (compensates Louise Deldicque)	FR [q1] [30h] [2 Credits]	x		
○ LKINE1012	Pratique de la formation psychomotrice de base	Louise Deldicque	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 Dominique François Sandrine Meirlaen Jean-Paul Nyssen (coord.) Hila Peer Mark Theodore Pertuit	EN [q1+q2] [45h] [4 Credits]			x
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o L'étudiant choisit entre :

⊗ LANGL2451	English - communication skills 🟡	Stéphanie Brabant Philippe Denis Maité Dupont Claudine Grommersch (coord.) Carlo Lefevre Lucille Meyers Jean-Paul Nyssen Lutgarde Schrijvers	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)

⊗ LKINE1039	Technology & Rehabilitation 🟡	Guillaume Bastien Massimo Penta Patrick Willems (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 🟡	Yannick Bleyenheuft	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) 🟡	Yannick Bleyenheuft	FR [q2] [10h+18h] [4 Credits]			x
⊗ LKINE1390B	Didactique des enseignements en kinésithérapie, 1re partie (partim B) 🟡	Patrick Willems	FR [q2] [10h+16h] [4 Credits]			x
⊗ LKINE1390C	Didactique des enseignements en kinésithérapie, 1re partie (partim C) 🟡	Julie Duque	FR [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:

- transform a prerequisite into a corequisite within the same year (to enable the student to continue his or her studies with a sufficient annual course load)
- require the student to combine registration in two separate CUs which it considers necessary from a pedagogical point of view.

For more information, please consult the [Academic Regulations and Procedures](#).

Prerequisites list

- LANGL2451** "Anglais - Communication interactive" has prerequisite(s) LANGL1851
- LANGL1851 - English for physiotherapists and physical educators
- LIEPR1021** "Physiologie cellulaire" has prerequisite(s) LIEPR1001 ET LIEPR1004
- LIEPR1001 - General chemistry and biomolecules
 - LIEPR1004 - Cell biology and fundamentals in histology
- LIEPR1022** "Physiologie des systèmes" has prerequisite(s) LIEPR1001 ET LIEPR1004
- LIEPR1001 - General chemistry and biomolecules
 - LIEPR1004 - Cell biology and fundamentals in histology
- LIEPR1023A** "Sauvetage, réanimation et urgences de terrain (partim réanimation et urgence de terrain)" has prerequisite(s) LKINE1011 ET LKINE1012 ET LIEPR1012
- LKINE1011 - Théorie de la formation psychomotrice de base
 - LKINE1012 - Pratique de la formation psychomotrice de base
 - LIEPR1012 - Biomechanics
- LIEPR1024** "Fondements neurophysiologiques et neuropsychologiques du contrôle et de l'apprentissage moteurs" has prerequisite(s) LIEPR1001 ET LIEPR1004 ET LKINE1006
- LIEPR1001 - General chemistry and biomolecules
 - LIEPR1004 - Cell 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 LIEPR1001 ET LIEPR1004
- LIEPR1021 - Cellular physiology
 - LIEPR1022 - Systems Physiology
 - LIEPR1001 - General chemistry and biomolecules
 - LIEPR1004 - Cell 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) LIEPR1002 ET LIEPR1028 ET LIEPR1011 ET LKINE1005 ET LIEPR1012
- LIEPR1002 - Essentials of systematic and functional anatomy
 - LIEPR1028 - Anatomy of the locomotor system and movement analysis
 - LIEPR1011 - Mécanique

- LKINE1005 - Fundamentals of locomotory physiotherapy
 - LIEPR1012 - Biomechanics
- LKINE1022** "Pathologies et kinésithérapie du système musculo-squelettique" has prerequisite(s) LIEPR1002 ET LIEPR1028 ET LIEPR1011 ET LIEPR1012 ET LKINE1005
- LIEPR1002 - Essentials of systematic and functional anatomy
 - LIEPR1028 - Anatomy of the locomotor system and movement analysis
 - LIEPR1011 - Mécanique
 - LIEPR1012 - Biomechanics
 - LKINE1005 - Fundamentals of locomotory physiotherapy
- LKINE1023** "Pathologies et kinésithérapie du système cardio-respiratoire" has prerequisite(s) LIEPR1002 ET LIEPR1028 ET LKINE1006
- LIEPR1002 - Essentials of systematic and functional anatomy
 - LIEPR1028 - Anatomy of the locomotor system and movement analysis
 - LKINE1006 - Fondements d'électrothérapie
- LKINE1024** "Pathologies et kinésithérapie du système nerveux" has prerequisite(s) LIEPR1002 ET LIEPR1028 ET LIEPR1011 ET LIEPR1007 ET LIEPR1012
- LIEPR1002 - Essentials of systematic and functional anatomy
 - LIEPR1028 - Anatomy of the locomotor system and movement analysis
 - LIEPR1011 - Mécanique
 - LIEPR1007 - Psychology
 - LIEPR1012 - Biomechanics
- LKINE1025** "Activités physiques et sportives" has prerequisite(s) LKINE1011 ET LIEPR1012 ET LKINE1012
- LKINE1011 - Théorie de la formation psychomotrice de base
 - LIEPR1012 - Biomechanics
 - LKINE1012 - Pratique de la formation psychomotrice de base
- LKINE1026** "Motricité aquatique et éléments de sécurité" has prerequisite(s) LKINE1011 ET LIEPR1012 ET LKINE1012
- LKINE1011 - Théorie de la formation psychomotrice de base
 - LIEPR1012 - Biomechanics
 - LKINE1012 - Pratique de la formation psychomotrice de base
- LKINE1027** "Introduction à la pathologie" has prerequisite(s) LIEPR1007 ET LKINE1002
- LIEPR1007 - Psychology
 - LKINE1002 - Handicaps and psychology
- LKINE1031** "Compléments de pathologie et de kinésithérapie du système musculo-squelettique" has prerequisite(s) LIEPR1002 ET LIEPR1028 ET LIEPR1011 ET LIEPR1012 ET LKINE1021
- LIEPR1002 - Essentials of systematic and functional anatomy
 - LIEPR1028 - Anatomy of the locomotor system and movement analysis
 - LIEPR1011 - Mécanique
 - LIEPR1012 - Biomechanics
 - 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) LIEPR1011 ET LIEPR1012 ET LKINE1005 ET LKINE1006
- LIEPR1011 - Mécanique
 - LIEPR1012 - Biomechanics
 - 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) LIEPR1011 ET LIEPR1012 ET LKINE1004
- LIEPR1011 - Mécanique
 - LIEPR1012 - Biomechanics
 - 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) LIEPR1007 ET LKINE1002 ET LKINE1011 ET LKINE1012
- LIEPR1007 - 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 LIEPR1012 ET LKINE1006
- 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](#)
 - LIEPR1012 - [Biomechanics](#)
 - LKINE1006 - [Fondements d'électrothérapie](#)
- LKINE1390B** "[Didactique des enseignements en kinésithérapie, 1re partie \(partim B\)](#)" has prerequisite(s) LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024 ET LIEPR1012 ET LKINE1006
- 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](#)
 - LIEPR1012 - [Biomechanics](#)
 - LKINE1006 - [Fondements d'électrothérapie](#)
- LKINE1390C** "[Didactique des enseignements en kinésithérapie, 1re partie \(partim C\)](#)" has prerequisite(s) LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024 ET LIEPR1012 ET LKINE1006
- 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](#)
 - LIEPR1012 - [Biomechanics](#)
 - LKINE1006 - [Fondements d'électrothérapie](#)
- 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) LIEPR1002 ET LIEPR1028 ET LKINE1003 ET LKINE1005 ET LKINE1021 ET LKINE1022 ET LKINE1023 ET LKINE1024
- LIEPR1002 - [Essentials of systematic and functional anatomy](#)
 - LIEPR1028 - [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) LIEPR1002 ET LIEPR1028 ET LKINE1003 ET LKINE1005
- LIEPR1002 - [Essentials of systematic and functional anatomy](#)
 - LIEPR1028 - [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 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [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**

○ LIEPR1001	General chemistry and biomolecules	Patrick Henriet	FB [q1] [30h+15h] [5 Credits]
○ LIEPR1002	Essentials of systematic and functional anatomy	Catherine Behets Wydemans (coord.) Marc Louis	FB [q1] [45h] [6 Credits]
○ LIEPR1028	Anatomy of the locomotor system and movement analysis	Catherine Behets Wydemans (coord.) Marc Louis Patrick Willems	FB [q2] [52.5h +7.5h] [7 Credits]
○ LIEPR1003	Treatment of data	Yannick Bleyenheuft	FB [q2] [15h+15h] [4 Credits]
○ LIEPR1004	Cell biology and fundamentals in histology	Catherine Behets Wydemans Patrick Henriet	FB [q2] [45h] [5 Credits]
○ LIEPR1011	Mécanique	Vincent Legat	FB [q1] [30h+15h] [4 Credits]
○ LIEPR1012	Biomechanics	Patrick Willems	FB [q2] [30h+15h] [4 Credits]

o Formation de base en sciences humaines

○ LIEPR1006	Philosophy, the body and movement	Jacob Schmutz	FB [q1] [30h] [3 Credits]
○ LIEPR1007	Psychology	Stefan Agrigoroaei Damien Brevers	FB [q1] [30h] [3 Credits]

o Formation théorique et pratique spécifique à la kinésithérapie

○ LKINE1002	Handicaps and psychology	Stéphanie Mazzone	FB [q2] [30h] [3 Credits]
○ LKINE1003	Handicap and Rehabilitation	Christine Detrembleur	FB [q1] [30h] [3 Credits]
○ LKINE1004	Introduction to Ergonomy	Bénédicte Schepens	FB [q1] [30h] [3 Credits]
○ LKINE1005	Fundamentals of locomotory physiotherapy	Patrick Willems	FB [q2] [30h] [3 Credits]
○ LKINE1006	Fondements d'électrothérapie	Laurent Francis (coord.) Dimitri Lederer Dimitri Lederer (compensates Julie Duque)	FB [q2] [30h] [3 Credits]

o Formation motrice

o LKINE1011	Théorie de la formation psychomotrice de base	Sebastiaan de Geus (compensates Louise Deldicque)	PS [q1] [30h] [2 Credits]
o LKINE1012	Pratique de la formation psychomotrice de base	Louise Deldicque	PS [q2] [0h+30h] [2 Credits]

KINE1BA - 2ND ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- [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) ■	Eddy Bodart Pierre Bulpa (coord.) Patrick Evrard Maximilien Gourdin Geoffrey Horlait Isabelle Michaux Henri Thonon	[FR] [q1] [15h+15h] [3 Credits]
○ LIEPR1021	Cellular physiology ■	Marc Francaux	[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 ■	Julie Duque (coord.) Lieve Filbrich (compensates) Julie Duque Anne Klöcker (compensates) Julie Duque Marcus Missal (coord.)	[FR] [q1] [45h] [5 Credits]

o Formation théorique et pratique spécifique à la kinésithérapie

○ LKINE1021	Basics of physical therapy ■	Catherine Behets Wydemans Philippe Mahaudens Laurent Pitance Patrick Willems (coord.)	[FR] [q1] [13h +97.5h] [8 Credits]
○ LKINE1022	Pathologies and physical therapy of the musculo-skeletal system ■	Thierry Deltombe (coord.) Jean-Emile Dubuc Philippe Mahaudens Laurent Pitance Anne Renders Didier Schoevaerdt Clara Selves	[FR] [q2] [60h+26h] [8 Credits]
○ LKINE1023	Pathologies and physical therapy of the cardio-respiratory system ■	William Poncin (coord.) Gregory Reychler David Vancraeynest	[FR] [q2] [45h+30h] [7 Credits]
○ LKINE1024	Pathology and Physiotherapy of the nervous system ■	Philippe Hanson (coord.) Eric Mormont Gaëtan Stouart	[FR] [q2] [30h+45h] [7 Credits]
○ LKINE1027	Introduction to pathology. ■	Bénédicte Delaere Etienne Delgrange Denis Jacques (coord.)	[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]
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○ Formation en langues

○ LANGL1851	English for physiotherapists and physical educators	Fanny Desterbecq Dominique François Sandrine Meirlaen Jean-Paul Nyssen (coord.) Hila Peer Mark Theodore Pertuit	EN [q1+q2] [45h] [4 Credits]
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KINE1BA - 3RD ANNUAL UNIT

- Mandatory
- ⊗ Optional
- △ Not offered in 2021-2022
- ⊖ Not offered in 2021-2022 but offered the following year
- ⊕ Offered in 2021-2022 but not the following year
- △ ⊕ Not offered in 2021-2022 or the following year
- Activity with requisites
- (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 ■	Sonia Brichard Marc Francaux (coord.) Yvan Larondelle	FR [q2] [75h+7.5h] [8 Credits]
○ LKINE1300	Méthodologie de la recherche en kinésithérapie et réadaptation ■	Julie Duque (coord.) Robert Hardwick (coord.) Sophie Patris Gregory Reychler	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 ■	Thierry Deltombe (coord.) Philippe Mahaudens Laurent Pitance Clara Selves Simon Vandergugten Delphine Wautier	FR [q2] [20h+16h] [3 Credits]
○ LKINE1041	Complements of Pathology and cardio-respiratory physiotherapy ■	William Poncin (coord.) Gregory Reychler Xavier Wittebole	FR [q2] [30h] [3 Credits]
○ 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]
○ LKINE1036	Complements of Neurophysiology ■	Julie Duque (coord.) Robert Hardwick Sylvie Nozaradan (coord.)	FR [q2] [30h] [3 Credits]
○ LKINE9034	Stages cliniques (3 mois) ■	Patrick Willems (coord.)	FR [] [] [23 Credits]
○ LKINE9035	Rapports de stages (3 mois de stages) ■	Patrick Willems (coord.)	FR [q1+q2] [] [2 Credits]

o Formation en langues

- L'étudiant choisit entre :

⊗ LANGL2451	English - communication skills 📄	Stéphanie Brabant Philippe Denis Maité Dupont Claudine Grommersch (coord.) Carlo Lefevre Lucille Meyers 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]

o Cours au choix :

⊗ LKINE1039	Technology & Rehabilitation 📄	Guillaume Bastien Massimo Penta Patrick Willems (coord.)	FR [q2] [45h+15h] [4 Credits]
⊗ LKINE1040	Ergonomy and readaptation 📄	Bénédicte Schepens	FR [q2] [45h+15h] [4 Credits]
⊗ LIEPR1027	Adapted physical activity 📄	Yannick Bleyenheuft	FR [q2] [30h+30h] [4 Credits]
⊗ LKINE1396	Apprentissage moteur et neuroplasticité, module 1 📄	Yannick Bleyenheuft	FR [q2] [45h+15h] [4 Credits]
⊗ LKINE1390A	Didactique des enseignements en kinésithérapie, 1re partie (partim A) 📄	Yannick Bleyenheuft	FR [q2] [10h+18h] [4 Credits]
⊗ LKINE1390B	Didactique des enseignements en kinésithérapie, 1re partie (partim B) 📄	Patrick Willems	FR [q2] [10h+16h] [4 Credits]
⊗ LKINE1390C	Didactique des enseignements en kinésithérapie, 1re partie (partim C) 📄	Julie Duque	FR [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

- To be eligible to apply to a bachelor's programme, holder of a non-belgian degree who do not have Belgian student status must also:
 - have earned a secondary school degree within the last three years;
 - not already hold a bachelor's degree; and,
- 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).
- 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](#).

- Not to have obtained a secondary education diploma for more than 3 years maximum. Example: for an admission application for the academic year 2021-2022, you must have obtained your diploma during the academic years 2018-2019, 2019-2020 or 2020-2021. In the French Community of Belgium, the academic year runs from September 14 to September 13. [L_information/2021/common-bachelor/](#)

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

Tout au long de son cursus de bachelier en kinésithérapie et réadaptation, l'étudiant est confronté à des dispositifs variés: cours magistraux, tutorat, moniteurat, travaux pratiques, stages.

A côté d'une solide formation en sciences fondamentales enseignée principalement par des cours magistraux, les étudiants sont invités à se familiariser avec leur future pratique, d'abord lors de cours théoriques et pratiques des techniques de base et/ou spécifiques de kinésithérapie et puis lors des stages.

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".

In the first year, during the month of November, a compulsory test is organised to enable the students to evaluate to what extent their work corresponds to the expectations of the University programme.

The exams are organised in the form of two main sessions : one in January and the other in June. The September session is for re-sits.

For the theoretical courses, the evaluation is conducted in the form of a written or oral exam, depending on the course, and may be combined and/or replaced by elements of ongoing evaluation.

For the practical training sessions, the evaluation is ongoing and may be completed by a final evaluation.

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

Possible trainings at the end of the programme

The master's programme is accessible with no prerequisites : the title of "Bachelor" allows acces to the master's of Kinesitherapy and Rehabilitation (60 credits).

Contacts

Curriculum Management

Faculty

Structure entity

Denomination

Sector

Acronym

Postal address

SSS/FSM

Faculty of Motor Sciences ([FSM](#))

Health Sciences ([SSS](#))

FSM

Place Pierre de Coubertin 1 - bte L8.10.01

1348 Louvain-la-Neuve

Tel: [+32 \(0\) 10 47 44 19](tel:+322474419) - Fax: [+32 \(0\) 10 47 31 06](tel:+322473106)

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: [Laurent Pitance](#)

Jury

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

Useful Contact(s)

- Contact: [Emmanuel Ugeux](#)

