

## Faculty of Medicine



### KINE1BA Baccalauréat en kinésithérapie et réadaptation (Bachelor of Kinesitherapy and Rehabilitation)



#### Study objectives

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

#### General presentation of the programme

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 enrichen 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 enrichen 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, Vade-mecum 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****Proposed options**

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.

**Evaluation**

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.

**Admission to the programme**

The conditions and regular admission requirements are specified on the web page "Access to Studies" :

<http://www.ucl.ac.be/etudes/libres/en/acces.html>

**Specific admission conditions**

A medical aptitude check-up is organised by the IEPR between the 20th and 24th June, 2005 and between the 22nd August and 16th September, 2005. Individual appointments should be made via UCL's Sports Medical Service (tel. 010/47 44 46).

This medical check-up is a condition for any participation in the practical training in Kinesitherapy and/or practical course sessions.

In addition to the general admission conditions, good health, a solid physical condition and an intellectual open-mind constitute the nessessary qualities to succeed in these studies.

**Positioning of the programme****Positioning of the programme within the University cursus**

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).

**Useful contacts****Programme management**

IEPR Institut d'éducation physique et réadaptation

Institute of Physical Education and Rehabilitation

Programme Coordinator for Kinesitherapy and Rehabilitation : Patrick Willems.

Contact : Secretary's office, Institute of Physical Education and Rehabilitation - Tel. 010 / 47 44 18

**Study Advisor**

For the 1st year of the bachelor's : Patrick Willems

For the 2nd year of the bachelor's : Bénédicte Schepens

**Exam Juries****1st year of the Bachelor's**

President of the jury : A. Fayt

Secretary of the jury : P. Henriët

**2nd year of the Bachelor's**

President of the jury : still to be determined

Secretary of the jury : still to be determined

**Detailed content of standard programme****KINE 11BA First year of studies****Studies in Movement Sciences specific to kinesitherapy**

KINE1001 Basic psychomotor skills[15h+90h] (8 credits) (in French) Thierry Marique

**Theoretical studies, specific to kinesitherapy**

KINE1002 Handicaps and psychology[30h] (3 credits) (in French) Anne De Volder

KINE1003 Handicap and Rehabilitation[30h] (3 credits) (in French) Christine Detrembleur

KINE1004 Introduction to Ergonomy[30h] (3 credits) (in French) Bénédicte Schepens

KINE1005 Fundamentals of locomotory physiotherapy[30h] (2 credits) (in French) Patrick Willems

**Foundation studies in the Exact and Biomedical Sciences, shared with Physical Education**

IEPR1001 General chemistry and biomolecules[30h+15h] (5 credits) (in French) Patrick Henriet

IEPR1002 Essentials of systematic and functional anatomy[45h] (6 credits) (in French) Catherine Behets Wydemans, Marc Louis

IEPR1000 Locomotor system anatomy and motion analysis[52.5h+7.5h] (7 credits) (in French) Catherine Behets Wydemans (coord.), Marc Louis

IEPR1003 Treatment of data[15h+15h] (4 credits) (in French) Philippe Gérard, Jean-Pierre Renard (coord.)

IEPR1004 Cell biology and fundamentals in histology[45h] (5 credits) (in French) Patrick Henriet, Philippe van den Bosch Sanchez de Aguilar

IEPR1005 Mechanics and biomechanics[52.5h+22.5h] (8 credits) (in French) Pierre Defrance, Patrick Willems (coord.)

**Foundation studies in Human Sciences, shared with Physical Education**

IEPR1006 Philosophy, the body and movement[30h] (3 credits) (in French) Philippe Thiry

IEPR1007 Psychology[30h] (3 credits) (in French) Jacques Van Rillaer

**KINE 12BA Second year of studies****A. Compulsory courses****Studies in Movement Sciences, specific to kinesitherapy**

KINE1025 Physical activities and sports[0h+30h] (2 credits) (in French) Thierry Marique

KINE1026 Aquatics and safety issues[7.5h+22.5h] (2 credits) (in French) Thierry Marique

**Theoretical and practical training, specific to kinesitherapy**

KINE1021 Basics of physical therapy[15h+97.5h] (8 credits) (in French) Guillaume Bastien, Catherine Behets Wydemans, Yves Castille, Jean-Louis Thonnard, Patrick Willems (coord.)

KINE1022 Pathologies and physical therapy of the musculo-skeletal system[60h+30h] (8 credits) (in French) Tom DE BAERE, Thierry Deltombe, Henri Nielens (coord.), Anne Renders, DIDIER SCHOEVAERDTS

KINE1023 Pathologies and physical therapy of the cardio-respiratory system[45h+30h] (7 credits) (in French) Pierre Delguste (coord.), Jean Roeseler, Serge Theys, Dominique Vanpee

KINE1024 Pathology and Physiotherapy of the nervous system[30h+45h] (7 credits) (in French) Philippe Hanson (coord.), Anne Jeanjean, Thierry Lejeune

KINE1027 Introduction to pathology.[30h+0h] (3 credits) (in French) Etienne Delgrange, DIDIER SCHOEVAERDTS, Nicolas Zdanowicz (coord.)

KINE1028 Biomechanics applied to physiotherapy[15h+0h] (2 credits) (in French) Léon Plaghki, Patrick Willems (coord.)

KINE1029 Electrotherapy[15h+0h] (2 credits) (in French) Léon Plaghki

**Studies in Movement and Biomedical Sciences, shared with physical Education**

IEPR1023A Sauvetage, réanimation et urgences de terrain (partim réanimation et urgence de terrain)[15h+15h] (2.5 credits) (in French) N.

IEPR1021 Cellular physiology[30h] (3 credits) (in French) Marc Francaux (coord.), Norman Heglund

<u>IEPR1022</u>	Systems Physiology[30h+15h] (4 credits) (in French)	Marc Francaux (coord.), Norman Heglund, Maurice Wibo
<u>IEPR1024</u>	Fundamentals of neurophysiology and neuropsychology in motor control and motor learning[45h+0h] (5 credits) (in French)	Marcus Missal, Etienne Olivier
<b>Language course</b>		
<u>ANGL1851</u>	Reading and Listening comprehension[60h] (4.5 credits)	Susan Jackman, Henri November, Jean-Paul Nyssen, Albert Verhaegen

## KINE 13BA Third year of studies

### A. Compulsory courses

#### Studies in Movement Sciences, specific to kinesitherapy

<u>KINE1034</u>	Psychomotor therapy[7.5h+15h] (3 credits) (in French)	Christine Detrembleur
<u>KINE1032</u>	Didactic principles in adapted physical activity and rehabilitation training[15h+30h] (4 credits) (in French)	Bénédicte Schepens

#### Theoretical and practical training, specific to kinesitherapy

<u>KINE1031</u>	Compléments de pathologie et de kinésithérapie du système musculo-squelettique[22.5h+7.5h] (3 credits) (in French)	Xavier BANSE, Thierry Deltombe (coord.), Henri Nielens
<u>KINE1041</u>	Compléments de pathologie et de kinésithérapie cardio-respiratoire[30h+0h] (3 credits) (in French)	Pierre Delguste (coord.), Jean Roeseler, Dominique Vanpee
<u>KINE1033</u>	Seminar of motor re-education and physiotherapy[0h+7.5h] (3 credits) (in French)	Dominique Bragard, Thierry Deltombe, Christine Detrembleur, Thierry Lejeune, Jean-Louis Thonnard (coord.)
<u>KINE1035</u>	Physiopathologie et éléments de pharmacologie[30h+0h] (3 credits) (in French)	Patrick Durez, Véronique Duveiller, Léon Plaghki (coord.), Frédéric Thys, Franck Verschuren
<u>KINE1036</u>	Compléments de neurophysiologie[30h+0h] (3 credits) (in French)	Marc Crommelinck, Etienne Olivier (coord.), Léon Plaghki
<u>KINE9034</u>	Stages cliniques(22 credits) (in French)	N.

#### Theoretical studies in the Exact and Biomedical Sciences, shared with Physical Education

<u>IEPR1025</u>	Physiologie et biochimie de l'exercice et nutrition[75h] (8 credits) (in French)	Sonia Brichard, Anabelle Decottignies, Marc Francaux (coord.), Michel Hermans
<u>IEPR1026</u>	Statistics[15h+15h] (3 credits) (in French)	Isabelle De Macq (supplée null)

#### Language course

##### The student will choose from the following :

<u>ANGL2451</u>	English: Interactive communication[30h] (2 credits)	Claudine Grommersch, Nathalie Heiderscheidt, Jean-Paul Nyssen
<u>NEER2451</u>	NEER 2451 - Communicative Dutch for Masters in Physiotherapy, Sports and Physical Training[30h] (2 credits)2q	Nadine Dermaut

### B. Options

#### The student will choose from among the following :

One of the following courses :

<u>KINE1039</u>	Technologie et réadaptation[45h] (3 credits) (in French)	Norman Heglund (coord.), Patrick Willems
<u>KINE1040</u>	Ergonomy and readaptation[45h] (3 credits) (in French)	Bénédicte Schepens (coord.), Jean-Louis Thonnard
<u>IEPR1027</u>	Adapted physical activity[15h+30h] (3 credits) (in French)	Daniel Theisen