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)
Sceduled 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. Henriet
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
Theorical 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] (4.5 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, Xavier Sturbois
IEPR1003	Treatment of data[15h+15h] (3 credits) (in French)	Philippe Gérard, Jean-Pierre Renard (coord.)
IEPR1004	Cell biology and fundamentals in histology[45h] (4.5 credits) (in French)	Patrick Henriet, Philippe van den Bosch Sanchez de Aguilar
IEPR1005	Mechanics and biomechanics[52.5h+22.5h] (10 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)	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)	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

IEPR1022	Systems Physiology[30h+15h] (4 credits) (in French)	Marc Francaux (coord.), Norman Heglund, Maurice Wibo
IEPR1024	Fundementals of neurophysiology and neuropsychology in motor control and motor learning[45h+0h] (5 credits) (in French)	Marcus Missal, Etienne Olivier

Language course

ANGL1851	Reading and Listening comprehension[60h] (4.5 credits)	Susan Jackman, Jean-Paul Nyssen

KINE 13BA Third year of studies

A. Compulsory courses

Studies in Movement Sciences, specific to kinesitherapy

KINE1034	Psychomotor therapy[7.5h+15h] (2.5 credits) Δ (in French)	N.
KINE1032	Didactic principles in adapted physical activity and rehabilitation training[15h+30h] (4 credits) Δ (in French)	N.

Theorical and practical training, specific to kinesitherapy

KINE1031	Compléments de pathologie et de kinésithérapie du système musculo-squelettique[22.5h+7.5h] (3 credits) Δ (in French)	N.
KINE1041	Compléments de pathologie et de kinésithérapie cardio-respiratoire[30h+0h] (3 credits) Δ (in French)	N.
KINE1033	Seminar of motor re-education and physiotherapy[0h+7.5h] (3 credits) Δ (in French)	N.
KINE1035	Physiopathologie et éléments de pharmacologie[30h+0h] (3 credits) Δ (in French)	N.
KINE1036	Compléments de neurophysiologie[30h+0h] (3 credits) Δ (in French)	N.
KINE9034	Stages cliniques(22 credits) (in French)	N.

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

IEPR1025	Physiologie et biochimie de l'exercice et nutrition[75h] (8 credits) Δ (in French)	N.
IEPR1026	Statistics[15h+15h] (3 credits) Δ (in French)	N.

Language course

The student will choose from the following :

ANGL2451	English: Interactive communication[30h] (2 credits)	Claudine Grommersch, Nathalie Heiderscheidt, Jean-Paul Nyssen
NEER2451	Communicative Dutch for Masters in Physiotherapy, Sports and Physical Training[30h] (3 credits)	Nadine Dermaut

B. Options

The student will choose from among the following :

One of the following courses :

KINE1039	Technologie et réadaptation[45h] (3 credits) Δ (in French)	N.
KINE1040	Ergonomy and readaptation[45h] (3 credits) Δ (in French)	N.
IEPR1027	Adapted physical activity[15h+30h] (3 credits) Δ (in French)	N.