

**MOTR2M**

2013 - 2014

Master [120] in Motor Skills: General

**At Louvain-la-Neuve - 120 credits - 2 years - Day schedule - In french**Dissertation/Graduation Project : **YES** - 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: **Faculté des sciences de la motricité (FSM)**Programme code: **motr2m** - European Qualifications Framework (EQF): 7**Table of contents**

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## MOTR2M - Introduction

## MOTR2M - Admission

***For the specific conditions of this program : refer to the French version***

*General and specific admission requirements for this program must be satisfied at the time of enrolling at the university..*

## MOTR2M - Information

### Learning outcomes

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The Master in Motor Skills: General is made up, to some extent, of courses from the Master in Physiotherapy and Rehabilitation. It is centred on acquiring and developing specific skills in physiotherapy in various areas of application (orthopaedic, neurological, respiratory, uro-gynaecological, cardio-vascular, psychiatric, pediatric, geriatric etc). This programme also has two focuses: the research focus (for researchers) and the professional focus in manual therapy.

This 2 year programme is directly accessible to students who hold a university bachelor's degree in physiotherapy and rehabilitation. It may be done in one year by students with a Master in Physiotherapy and Rehabilitation. The Master in Motor Skills: General provides Masters in Physiotherapy and Rehabilitation with the possibility of a specialization in manual therapy and sports physiotherapy or in research in the field of physiotherapy. Students doing research may go on to third cycle studies.

### Teaching method

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The Master in Motor Skills: General is centred on acquiring and developing specific skills in physiotherapy in various areas of application (orthopaedic, neurological, respiratory, uro-gynaecological, cardio-vascular, psychiatric, pediatric, geriatric etc). The teaching is done in different ways: lectures, practical courses in small groups, sessions on specialized techniques and clinical placements.

Through the optional subjects, students can develop their knowledge in one of the following areas : technological aids for handicapped people, prevention of pathologies linked with working conditions and adapted physical activities used as additional therapy

Other teaching methods (project work, seminars, placements etc.) are used particularly in the context of the different focuses.

By doing a dissertation, students may specialize in a precise area either through bibliographic research or through experimental work in a laboratory, benefiting from close collaboration and a privileged learning relationship with their supervisor.

### Evaluation

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There are three main sessions of examinations : in January, June and September.

Assessment of the theoretical courses is based on a written or oral examination and may be combined and/or replaced by elements of continuous assessment, particularly for the assignments, projects, seminars and placements.

Assessment of the practical training is continuous and may be supplemented by a final assessment.

Students will be informed of the methods of assessment at the beginning of each course.

### Mobility and/or Internationalisation outlook

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Certain courses, as well as clinical placements in physiotherapy and rehabilitation may be done in other countries with which the Institute has special relationships : France, Canada, Switzerland and Ireland. Students who are particularly interested in the special issues relating to rehabilitation in the third world may also do a two month placement in Africa (Benin) or in South East Asia (Vietnam, Cambodia and Laos).

In addition, students doing research (research focus) may, with the agreement of their supervisor, have the opportunity to pursue their research abroad (cf. regulations on research students pursuing a Master degree).

### Possible trainings at the end of the programme

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Advanced Masters : none

Doctoral programmes : doctorate in motor skills

## MOTR2M - Detailed programme

### Programme structure

Having completed your bachelor degree, the Master in Motor Skills: General [120] is a **two year programme** which offers a wider scope of training in the field of motor skills as well as the possibility of specializing in research or manual therapy or sports physiotherapy. It gives access to doctoral research and to third cycle specializations, for example in osteopathy.

This Master does not grant professional status. However, if candidates already hold the Master in Physiotherapy and Rehabilitation (M60), they may do the Master in Motor Skills: General (M120) in one year.

#### Practical learning

During the Master, you will continue, in an intensive way, the training begun in the third year of the first cycle. You will do four months of placement in the university clinics and approved UCL and KUL centers, under the direction of teachers in physiotherapy and rehabilitation and under the supervision of placement directors. You will be able to match your choice of placement to your interests and preferences: hospital departments, outpatient treatment or private practice.

#### Specializing

You will be able to develop your knowledge in one of the following areas : technological aids for handicapped people, prevention of pathologies linked with working conditions and adapted physical activities used as additional therapy.

The dissertation that you will do at the end of the course will also enable you to specialize in an advanced area of physiotherapy or rehabilitation. The dissertation may be an account of a particular issue, through bibliographic research, or be centred on experimental research in the laboratory. You will benefit from close collaboration and a privileged learning relationship with your supervisor.

The Master in Motor Skills: General offers a choice of two focuses of 30 credits. Depending on your interests and your professional project, you can choose to pursue research or manual therapy and sports physiotherapy.

#### Research

The research focus prepares students for scientific research and provides general training for a career in research. You will make up your programme according to your research project which you will do in a laboratory under the direction of your supervisor. There is a wide choice of possible subjects which can make a contribution to improving understanding of movement as well as practices and techniques designed to restore it.

#### Manual therapy and sports physiotherapy

The professional focus in manual therapy and physiotherapy builds on the basic university training in physiotherapy. It is centred on different methods of manual therapy and the main techniques for assessing and treating injured athletes. This training will provide you with the theoretical and practical foundations for any intervention you will have to make on patients of all ages and in the context of different pathologies particularly associated with the muscular-skeletal system. You will be able to treat and monitor athletes appropriately according to their level of activity.

*Whatever the focus or the options chosen, the programme of this master shall totalize 120 credits, spread over two years of studies each of 60 credits.*

#### Core study

[> Core courses](#) [ en-prog-2013-motr2m-lmotr200t.html ]

#### Focuses

[> Research focus](#) [ en-prog-2013-motr2m-lmotr201a ]

[> Professional focus:Manual Therapy and Sports Physiotherapy](#) [ en-prog-2013-motr2m-lmotr202s ]

[> Finalité spécialisée:kinésithérapie en neurologie adulte](#) [ en-prog-2013-motr2m-lmotr203s ]

### Programme by subject

## Core courses [90.0]

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

Year

1 2

## ○ Mémoire

○ LEDPH2299	Mémoire	N.		22 Credits			x
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## ○ Sciences humaines

○ LKINE2108	Law, public institutions and management in health care	Yves Castille, Sebastien Depré, Christine Detrembleur (coord.)	37.5h	3 Credits			x
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## ○ Sciences religieuses

L'étudiant choisit un cours parmi les trois cours suivants :

⊗ LTECO1001	Questions of religious sciences: biblical readings	Régis Burnet, Didier Luciani	15h	2 Credits	2q		x
⊗ LTECO1002	Questions of religious sciences: reflections about christian faith	Pierre-Yves Materne	15h	2 Credits	1q		x
⊗ LTECO1003	Questions of Religious Sciences: Questions about Ethics	Dominique Jacquemin	15h	2 Credits	1q		x

## ○ Sciences biomédicales

○ LKINE2127	Compléments de pathologie, physiopathologie et éléments de pharmacologie	Patrick Durez, Véronique DUVEILLER, Alain Luts, Didier Schoevaerds, Frédéric Thys (coord.), Franck Verschuren	60h	3 Credits			x
○ LEDPH2136	Pathology of sports	Sophie Lambrecht	30h	4 Credits			x
○ LEDPH2237	Special issues in science motricity	Marc Francaux, Norman Heglund (coord.), Henri Nielens, Jean-Louis Thonnard	30h	7 Credits			x
○ LIEPR2236	Prevention and therapeutical effect of the physical activity on the major chronic diseases	Gilles Caty	30h	5 Credits			x

## ○ Formation à la recherche

○ LEDPH2137	research methodology in movement sciences	Dominique De Jaeger (coord.), Norman Heglund	30h	4 Credits	1q		x
○ LIEPR1026	Statistics	Céline Bugli	15h+15h	3 Credits			x

## ○ Formation spécifique à la kinésithérapie

○ LKINE2138	Complements of Neurology and Neurological physiotherapy	Florence Christiaens, Thierry Deltombe, Anne Jeanjean, Anne Renders (coord.), Gaëtan Stoquart	22.5h +7.5h	3 Credits			x
○ LKINE2148	Functional evaluation of the patient	Christine Detrembleur, Jean-Louis Thonnard (coord.)	30h	3 Credits	1q		x

							Year	
							1	2
○ LKINE2158	Specific techniques of physiotherapy, including manual therapy	Yves Castille (coord.), Francis Detongre, Laurent Pitance	60h+45h	5 Credits			x	
○ LKINE2168	Algology in physiotherapy, palliative care and geriatrics	Anne Berquin, Dominique Bragard, Marie de Saint Hubert, Jacques Grisart, Etienne Masquelier (coord.), André Mouraux	45h	3 Credits			x	

### ○ Stages cliniques

○ LKINE2189	Stages cliniques (4 mois)	N.		20 Credits			x	
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### ○ Cours au choix (3 credits)

Trois crédits à choisir parmi

⊗ LKINE2129	Additions in technology and rehabilitation	Christine Detrembleur, Norman Heglund (coord.), Jean-Louis Thonnard	30h	3 Credits	1q		x	
⊗ LKINE2188	Prevention of diseases related to working conditions	Joachim Renouprez, Bénédicte Schepens (coord.)	30h	3 Credits	1q		x	

## List of focuses

One to choose among :

- > [Research focus](#) [ en-prog-2013-motr2m-lmotr201a ]
- > [Professional focus:Manual Therapy and Sports Physiotherapy](#) [ en-prog-2013-motr2m-lmotr202s ]
- > [Finalité spécialisée:kinésithérapie en neurologie adulte](#) [ en-prog-2013-motr2m-lmotr203s ]

## RESEARCH FOCUS [30.0]

La finalité approfondie prépare à la recherche scientifique et est une formation générale au métier de chercheur. L'étudiant constitue son programme en rapport avec son projet de recherche qu'il réalisera au sein d'un laboratoire et sous la supervision de son promoteur. Les thèmes sont nombreux et contribuent à l'amélioration de la compréhension du mouvement ainsi que des pratiques et des techniques qui visent à le restaurer.

● Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

						Year	
						1	2
● LMOTR2145	<a href="#">Séminaire de recherche en sciences de la motricité</a>	N.	15h	3 Credits		x	
● LMOTR2146	<a href="#">Lectures dirigées en sciences de la motricité</a>	N.	15h	3 Credits		x	
● LMOTR2147	<a href="#">Projet de recherche en sciences de la motricité (1re partie)</a>	N.	0h+200h	9 Credits		x	
● LMOTR2246	<a href="#">Formation à la communication scientifique en sciences de la motricité</a>	N.	15h	4 Credits			x
● LMOTR2247	<a href="#">Projet de recherche en sciences de la motricité (2e partie)</a>	N.	0h+220h	11 Credits			x



## PROFESSIONAL FOCUS: MANUAL THERAPY AND SPORTS PHYSIOTHERAPY [30.0]

La finalité spécialisée en thérapie manuelle et kinésithérapie du sport se situe dans le prolongement de la formation universitaire de base en kinésithérapie. Cette finalité se centre autour de différentes méthodes de thérapie manuelle et des principales techniques spécifiques d'évaluation et de traitement des sportifs blessés.

Cette formation fournit un bagage théorique et pratique pour toute les interventions pratiquées sur des patients à tout âge de la vie et dans le cadre de pathologies diverses intéressant notamment le système musculo-squelettique. Au terme de sa formation, l'étudiant sera à même de prendre en charge et de suivre le sportif d'une façon pertinente en fonction de son niveau de pratique.

○ Mandatory

△ Courses not taught during 2013-2014

⊕ Periodic courses taught during 2013-2014

⊗ Optional

⊖ Periodic courses not taught during 2013-2014

‡ Two years course

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

						Year	
						1	2
○ LKINE2170	<a href="#">Physiotherapy of athletes</a>	<a href="#">Henri Nielens</a>	75h	7 Credits		x	
○ LKINE2171	<a href="#">Manual therapy (1st part)</a>	<a href="#">Francis Detongre</a>	22.5h +30h	6 Credits		x	
○ LKINE2271	<a href="#">Manual therapy (2 nd part)</a>	<a href="#">Francis Detongre</a>	22.5h +30h	6 Credits			x
○ LKINE2179	<a href="#">Stages et rapports de stages (1re partie)</a>	N.		2 Credits		x	
○ LKINE2279	<a href="#">Stages et rapports de stages (2e partie)</a>	N.		9 Credits			x

## FINALITÉ SPÉCIALISÉE: KINÉSITHÉRAPIE EN NEUROLOGIE ADULTE [30.0]

La finalité spécialisée en kinésithérapie en neurologie adulte implique l'acquisition de connaissances théoriques spécifiques et la maîtrise des différentes techniques utilisées. La revalidation neurologique constitue un axe majeur de la kinésithérapie. En effet, les pathologies du système nerveux, central et périphérique touchent une part significative de la population et constituent dès lors une source importante d'incapacité et de handicap en Belgique et dans le monde. De plus la kinésithérapie neurologique est un axe en plein expansion car l'évolution rapide des connaissances des neurosciences entraîne un développement important des traitements en réadaptation neurologique.

**Organisation** : Cet enseignement est organisé de façon particulière.

En effet, les trois cours mentionnés ci-dessous ne sont pas donnés en parallèle à raison de quelques heures par semaine, mais sont intégrés au sein de 4 modules définis suivant les grandes catégories de pathologies neurologiques.

L'enseignement des modules ci-dessous est organisé de manière successive et concentré sur plusieurs journées complètes de formation, afin de favoriser l'intégration simultanée de tous les concepts relatifs à la prise en charge de chaque pathologie, du traitement médical aux modes de rééducation.

L'ordre des modules (et donc des cours) est important puisqu'il a été conçu pour permettre une assimilation progressive des modes de rééducation pour des pathologies touchant des structures de plus en plus complexes.

- Mandatory
- △ Courses not taught during 2013-2014
- ⊕ Periodic courses taught during 2013-2014
- ⊗ Optional
- ⊖ Periodic courses not taught during 2013-2014
- ‡ Two years course

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

						Year	
						1	2
● LKINE2113	Questions approfondies de pathologie et kinésithérapie des atteintes neuromusculaires et médullaires	Anne Berquin, Benjamin Bollens, Anne Jeanjean, Thierry Lejeune (coord.), Reinier- Jacques Opsomer, Gaëtan Stoquart	27.5h +10h	4 Credits			x
● LKINE2114	Questions approfondies de pathologie et kinésithérapie des cérébrolésions.	Carlyne Arnould, Yannick Bleyenheuft, Marie-Pierre de Partz de Courtray, Thierry Deltombe, Frédéric Dierick, Laurence Dricot, Julie Duque (coord.), Thierry Gustin, Philippe Hanson, Adrian Ivanoiu, Etienne Olivier, Yves Vandermeeren, Demet Yuksel	60h+45h	9 Credits			x
● LKINE2115	Questions approfondies de pathologie et kinésithérapie des atteintes cérébrales et de la sclérose en plaques	Julie Duque, Souraya El Sankari, Anne Jeanjean (coord.), Reinier- Jacques Opsomer, Auriane Speth, Gaëtan Stoquart, Thierry Willemart	30h+15h	5 Credits			x
● LKINE2116	Stages cliniques (2 périodes de 4 semaines à temps plein)	N.		12 Credits			x

