

Brochure for Erasmus partners



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Introduction



The Faculty of Kinesiology and Rehabilitation Sciences constitutes a part of the Biomedical Sciences Group at KU Leuven. Our high-quality teaching is based on our research in human kinesiology, biomedical kinesiology, rehabilitation sciences, and physiotherapy. We carry out intensive interdisciplinary and international collaboration with, among others, departments of other faculties (Medicine, Engineering and Psychology), with other universities and university hospitals, with national institutions for competitive sports, and with the government.

1 General information

The Faculty of Kinesiology and Rehabilitation Sciences is oriented towards research-based teaching in physical education, kinesiology, physiotherapy, and rehabilitation sciences. Our mission is threefold:

- to be knowledgeable of and add to the progress of scientific research in kinesiology, sport sciences, physiotherapy, and rehabilitation sciences
- to provide high level education in physical education, kinesiology, physiotherapy, and rehabilitation sciences
- to offer scientific services to the community

To achieve this mission, we rely on more than 100 highly-qualified colleagues. During the last decades, our research has experienced a strong growth, and is now embedded in two newly created research departments (Kinesiology and Rehabilitation Sciences), each generating considerable scientific output in highly-ranked journals. We also aim to pursue and enlarge this scientific track by attracting (master's and doctoral) students and (postdoctoral) researchers from abroad. Faculty grants are available to facilitate short visits of internationally well-known scholars.

Our educational programmes disseminate scientific knowledge generated within the domain of 'human movement.' We offer two bachelor's programmes and four master's programmes. These programmes are listed below. We encourage students and staff to participate in international education programmes jointly organised with other universities within and outside Europe.

1.1 Facts and figures

- Each year the Faculty welcomes an average of **1250 students** for the bachelor and master programmes. 58 registered this year for a supplementary master's degree.
- The staff includes a team of **54 professors** and many of them also work in the University Hospitals. Some **87 research assistants** also work full time or part time at our Faculty.
- On average **11 doctoral degrees** are delivered each year.



2 General study programmes

2.1 Bachelor's:

- Physical Education and Kinesiology
- Rehabilitation Sciences and Physiotherapy

2.2 Master's:

- Physical Education and Kinesiology (taught mainly in Dutch)
- Rehabilitation Sciences and Physiotherapy (taught in Dutch & English)
- Erasmus Mundus Master in Adapted Physical Activity (taught in English)

2.3 Advanced Master's

- Advanced Studies in Sports Medicine



3 Courses for exchange students

Erasmus students can attend many **Physiotherapy** courses, as will be described below. Some master courses in **Physical Education** and **Kinesiology** are also available for exchange students, if they meet the prerequisites and the course is taught in English.

3.1 Core courses only for exchange students

The faculty offers a certain amount of specific Erasmus courses, listed in the table below.

ECTS	Course	Term
3	Complementary Sports Training - Practical Course	1
17	Clinical Placement in Rehabilitation Sciences and Physiotherapy - 3 Months	1
22	Clinical Placement in Rehabilitation Sciences and Physiotherapy - 4 Months	1
28	Clinical Placement in Rehabilitation Sciences and Physiotherapy - 5 Months	1
20	Research Internship - 3 Months	1
30	Research Internship - 5 Months	1
3	Social Kinesiology	1
5	Sociocultural Analysis of Sports and Leisure	1
3	Developmental Kinesiology	1
3	Training and Coaching Swimming	1
3	Interactive Sports Handball and Soccer	1
4	Public Policy and Organisation of Sport	1
17	Clinical Placement in Rehabilitation Sciences and Physiotherapy - 3 Months	2
22	Clinical Placement in Rehabilitation Sciences and Physiotherapy - 4 Months	2
28	Clinical Placement in Rehabilitation Sciences and Physiotherapy - 5 Months	2
3	Physical Therapy of the Low Back: Theory	2
4	Physical Therapy of the Low Back: Theory and Practice	2
3	Sport Management and Marketing	2
20	Research Internship - 3 Months	2
30	Research Internship - 5 Months	2
3	Complementary Sports Training - Practical Course	2
3	European Sports History	2
4	History of Sport and Kinesiology	2
3	Evidence Base for Aquatic Exercise in Persons with Special Needs	1 & 2

3.2 Courses in the Master of Science in Kinesiology and Physical education

Erasmus Master students in kinesiology and/or physical education are also allowed to take some courses in the Master of Science in Kinesiology and physical education. An overview of these courses is displayed below. Prior approval by the international relations officer is needed to enroll in these courses.

ECTS	Course	Term
5	Psychology of physical activity	1
3	International and European sports law (previous knowledge on sports law required)	2
4	Sports economics	1
4	Financial management in sports	2
4	Macro economics	2
6	Organizational psychology	1
4	Research methods and advanced issues in RBK	1
4	Programming and automated signal analysis	1
5	State of the art research topics in epidemiology and genetic epidemiology, part 1	1 & 2
5	State of the art research topics in muscle physiology and biochemistry, part 1	1 & 2
5	State of the art research topics in biomechanics, part 1	1 & 2
5	State of the art research topics in motor learning and motor control, part 1	1 & 2
3	State of the art research topics in epidemiology and genetic epidemiology, part 2 (available from 2014-2015)	1
3	State of the art research topics in muscle physiology and biochemistry, part 2 (available from 2014-2015)	1
3	State of the art research topics in biomechanics, part 2 (available from 2014-2015)	1
3	State of the art research topics in motor learning and motor control, part 2 (available from 2014-2015)	1
22	External laboratory internship (available from 2014-2015)	1 & 2

3.3 Courses in the Master of Science in Rehabilitation Sciences and Physiotherapy

Erasmus Master students in physiotherapy are also allowed to take some courses in the Master of Science in Rehabilitation Sciences and Physiotherapy. An overview of these courses is displayed below. Prior approval by the international relations officer is needed to enroll in these courses. A total of 120 credits are divided as follows:

- 23 ECTS: master courses
- 3 ECTS: optional courses
- 28 ECTS: internship or personalized study programme
- 24 ECTS: master's thesis
- 42 ECTS: one of the five major subjects.

3.3.1 Master courses

ECTS	Course	Term
3	Interpreting Scientific Evidence in Rehabilitation Sciences and Adapted Physical Activity	1
3	Mental Health	1
3	Physical Activity, Physical Fitness and Risk of Exercise	1
3	Medical Imaging for Physiotherapists	2
3	Research Methodology in Adapted Physical Activity	1 & 2
4	Selected Topics in Rehabilitation Sciences and Physiotherapy	1 & 2
4	International Perspectives in Physiotherapy	1&2

3.3.2 Optional courses

ECTS	Course	Term
4	Culture and Disability	2
4	Human Rights	1
4	Interdisciplinary Perspectives on Development and Cultures	1
5	Psychology of Physical Activity	1
6	Nederlands voor anderstaligen: niveau 1 (Dutch for foreigners)	1
4	Research Methods and Advanced Issues in Research in Biomedical Kinesiology	1
5	Univariate Data and Modelling	1
6	Nederlands voor anderstaligen: niveau 1 (Dutch for foreigners)	2
6	Entrepreneurship and New Business Development	1 & 2
3	Psychology of Physical Activity - Scientific Analysis of Problems	1
4	Juridische aspecten en beroepsorganisatie van de kinesithérapie	1 & 2

3.3.3 Internship or personalized study programme

Erasmus students in physiotherapy can only apply for 1 month of general clinical internship. Approval depends on availability of internship places in the university hospitals.

ECTS	Course	Term
4	Musculoskeletal Rehabilitation: Cervical Spine	1
10	Applied Research Methodology in Rehabilitation Sciences and Physiotherapy	2
3	Research Internship in Rehabilitation Sciences and Physiotherapy	1 & 2
8	Clinical Placement in Rehabilitation: 1 month	1 & 2
13	Clinical Placement in Rehabilitation: 2 months	1 & 2
18	Clinical Placement in Rehabilitation: 3 months	1 & 2
23	Clinical Placement in Rehabilitation: 4 months	1 & 2
28	Clinical Placement in Rehabilitation: 5 months	1 & 2
4	Adult Neurorehabilitation, through Self-directed Learning	1 & 2
4	Musculoskeletal Rehabilitation through Self-directed Learning	1 & 2
3	Research Seminar in Rehabilitation Sciences and Physiotherapy	1 & 2
4	Developmental Kinesiology, Through Self-Directed Learning	1 & 2
4	Neurorehabilitation in Children, Through Self-Directed Learning	1 & 2
4	Physiotherapy for Respiratory and Internal Disorders, Through Self-Directed Learning	1 & 2
4	Rehabilitation for Cardiovascular Disorders, Through Self-Directed Learning	1 & 2
4	Rehabilitation in Mental Health Care, Through Self-Directed Learning	1 & 2

3.3.4 Major subjects

3.3.4.1 *Rehabilitation Sciences and Physiotherapy for Musculoskeletal Disorders*

This major subject consists of the Truncus Communis and optional courses.

- Truncus Communis (38 credits – all courses mandatory)

ECTS	Course	Term
3	Advanced Methods in Musculoskeletal Rehabilitation, Part 1	2
3	Selected Topics in Musculoskeletal Pathology	1
3	Biopsychosocial Aspects in Patients with Musculoskeletal Disorders	1
8	Advanced Methods in Musculoskeletal Rehabilitation, Part 2	1
3	Clinical Reasoning in Manual Therapy and Sports Physical Therapy - Case Studies	1 & 2
18	Internship Musculoskeletal Rehabilitation	1 & 2

- Optional courses (4 credits – elective)

ECTS	Course	Term
4	Selected Topics in Manual Therapy	1 & 2
4	Selected Topics in Sports Physical Therapy	1

3.3.4.2 *Rehabilitation Sciences and Physiotherapy for Neurological Disorders*

All courses are mandatory.

ECTS	Course	Term
3	Rehabilitation of Degenerative Neurological Disorders	2
4	Neuroscientific Aspects of Neurological Rehabilitation	1
3	Clinical Neuropsychology in Neurological Rehabilitation	1
3	Selected Topics in Neurological Rehabilitation	1
3	Seminar in Neurological Rehabilitation	1
8	Advanced Methods in Neurological Rehabilitation	1
18	Internship Neurological Rehabilitation	2

3.3.4.3 *Rehabilitation Sciences and Physiotherapy in Children*

All courses are mandatory.

ECTS	Course	Term
3	Rehabilitation Problems in Paediatrics	2
5	Physiotherapeutic Methods for Neurological and Orthopaedic Disorders in Children	1
5	Advanced Methods for Neurological and Orthopaedic Disorders in Children	1
3	Seminar in Paediatric Rehabilitation	1
3	Cardiovascular, Respiratory and Metabolic Aspects of Rehabilitation in Children	1
5	Rehabilitation of Mild Motor Problems in Children with Developmental Disorders	1
18	Internship Paediatric Rehabilitation	2

3.3.4.4 *Rehabilitation Sciences and Physiotherapy in Mental Health Care*

All courses are mandatory.

ECTS	Course	Term
3	Issues of Physiotherapy Interventions in Mental Health Care	2
3	Psychopathology in Children and Adolescents	1
3	Psychotherapeutic Methods	1
4	Advanced Methods in Psychomotor Therapy in Children and Adolescents	1
4	Advanced Methods in Psychomotor Therapy in Adults	1
3	Fundamentals in Psychomotor Therapy	1
18	Internship Psychomotor Therapy	1 & 2
4	Selected Topics in Psychomotor Therapy	1 & 2

3.3.4.5 *Rehabilitation Sciences and Physiotherapy for Internal Disorders*

All courses are mandatory.

ECTS	Course	Term
3	Rehabilitation for Internal Disorders	2
4	Advanced Methods for Rehabilitation of Cardiovascular Disorders	1
3	Advanced Methods for Rehabilitation of Respiratory Disorders	1
3	Cardiovascular, Respiratory and Metabolic Aspects of Rehabilitation in Children	1
3	Rehabilitation in Critically Ill Patients	1
5	Advanced Methods for Rehabilitation of Internal Disorders	1
18	Internship Rehabilitation for Internal Disorders	2
3	Seminar in Rehabilitation for Internal Disorders	1 & 2

3.4 Master courses open to all Erasmus students

Erasmus Master students are allowed to take the following courses open to Physical Education and Physiotherapy students. Again, prior approval by the international relations officer is needed to enroll in these courses.

ECTS	Course	Term
5	Psychology of Physical Activity	1
6	Entrepreneurship and new business development	1 & 2
5	Professional training and development in profit and non-profit organizations	1
4	Interdisciplinary Perspectives on Development and Cultures (not taught every year)	1
5	Economics of Education, training and Lifelong learning (not taught every year)	2
4	Culture and disability	2
4	Human rights	1
6	Nederlands voor anderstaligen (Dutch for foreigners)	1 or 2

4 Collaborations / Participations / Agreements

- **Move Age:** The Joint Doctorate Program 'MOVE-AGE', is funded by the European Commission as part of the Erasmus Mundus program. In the MOVE-AGE program (2011-2015) approximately 50 international PhD students receive a fellowship to study how mobility can be maintained during ageing. The MOVE-AGE network consists of three institutes: VU University Amsterdam, Manchester Metropolitan University and the KU Leuven.
- **Collaboration** with the University of Stellenbosch and the University of Cape Town (and many more).
- **Broad network of (university) hospitals and rehabilitation centers** in neighboring countries and countries further afield enabling students to carry out a portion of their internship abroad.
- **Erasmus projects** where students can take courses or clinical/research placements in several partners within Europe.
- **Staff and research mobility** as part of the Faculty's internationalization strategy. The faculty yearly hosts many PhD students and incoming teachers for a short term stay or long term mobility.

5 Contact

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