

## Clinical Reasoning in Rehabilitation and Physiotherapy (D012731)

**Course size** *(nominal values; actual values may depend on programme)*

**Credits 6.0**

**Study time 180 h**

**Course offerings and teaching methods in academic year 2026-2027**

A (semester 2)

English

Gent

group work

lecture

practical

independent work

**Lecturers in academic year 2026-2027**

Van Damme, Heleen

GE37

staff member

Maenhout, Annelies

GE37

lecturer-in-charge

Bar-On, Lynn

GE37

co-lecturer

Borms, Dorien

GE37

co-lecturer

Demeyer, Heleen

GE37

co-lecturer

Matheve, Thomas

GE37

co-lecturer

Van Bladel, Anke

GE37

co-lecturer

**Offered in the following programmes in 2026-2027**

Master of Science in Teaching in Health Sciences(main subject Medical Sciences)

crdts 6

offering A

Master of Science in Rehabilitation Sciences and Physiotherapy(main subject Rehabilitation Sciences and Physiotherapy in Elderly)

6

A

Master of Science in Rehabilitation Sciences and Physiotherapy(main subject Rehabilitation Sciences and Physiotherapy with Children)

6

A

Master of Science in Rehabilitation Sciences and Physiotherapy(main subject Rehabilitation Sciences and Physiotherapy with Internal Diseases)

6

A

Master of Science in Rehabilitation Sciences and Physiotherapy(main subject Rehabilitation Sciences and Physiotherapy with Musculoskeletal Afflictions)

6

A

Exchange Programme Faculty of Medicine and Health Sciences

6

A

**Teaching languages**

English

**Keywords**

Clinical reasoning – case-studies – rehabilitation principles – rehabilitation techniques – treatment strategy

**Position of the course**

This course is part of the line Physiotherapy and builds further upon the competencies already acquired within all courses within the line Physiotherapy. The purpose of the course is to use patient-specific situations to concretize clinical reasoning and treatment strategies, and to apply/deepen/further develop the competences that were acquired in the Bachelor education. This course is domain-transcending and includes all big intervention domains of physiotherapy. At the beginning, the student has already reached insight, knowledge and competencies with relation to the physiotherapeutical assessment and the physiotherapeutical treatments in all major physiotherapy intervention areas.

**Contents**

The course consists of discussing patient cases, in which clinical reasoning in assessment and rehabilitation is applied. The following 6 areas of physiotherapy

intervention are covered: upper limb, lower limb, internal diseases, spine, pediatrics and neurogeriatrics.

### **Initial competences**

The students have successfully completed the following courses or have acquired the intended competences in one way or another:

- Rehabilitation and physiotherapy of the musculoskeletal system: lower extremity
- Rehabilitation and physiotherapy of the musculoskeletal system: upper extremity
- Rehabilitation and physiotherapy of the musculoskeletal system: lumbar spine and pelvis
- Rehabilitation and physiotherapy of the neurological system
- Rehabilitation and physiotherapy of the cardiovascular system
- Rehabilitation and physiotherapy for the elderly
- Pathology, alarm signals and variable development in children
- Rehabilitation and physiotherapy for children
- Clinical placement (3rd Bachelor)

### **Final competences**

- 1 The student can independently arrive at a physiotherapeutic diagnosis within all 6 intervention domains of physiotherapy based on relevant information from history taking and clinical examination through clinical reasoning.
- 2 Based on the results of clinical reasoning and the resulting physiotherapeutic diagnosis, the student can independently formulate the relevant treatment goals and develop an adequate treatment program.
- 3 The student can apply clinical reasoning in a diversity sensitive way and can adjust the treatment goals and treatment plan to meet the needs of each individual patient, taking their context into account.
- 4 The student (within a group) is able to search for scientific literature in a systematic way (related to the pathology and the treatment of the patient case), and is able to critically evaluate these articles, to summarise the information and to integrate it in the treatment of the patient
- 5 The student is able to communicate with colleagues with respect to issues relevant for the patient case within a multidisciplinary context
- 6 The student listens to the perspective of others, accepts the relativity of their own perspective, and can describe various viewpoints while critically reflecting on their own and others' frames of reference without (pre)judgment.
- 7 The student can achieve constructive collaboration by recognizing 'differences (in opinions, viewpoints, between individuals, etc.) as added value.
- 8 The student understands longer speeches and lectures, spoken in English and related to the field of study, and can present the main thoughts of them.
- 9 The student can apply the formal procedure of screening and intake after registration in accordance with the guidelines / advice of the KNGF (= Federal Council for physiotherapy on direct access to physiotherapy / physiotherapy (DTF / DTK)

### **Conditions for credit contract**

Access to this course unit via a credit contract is determined after successful competences assessment

### **Conditions for exam contract**

This course unit cannot be taken via an exam contract

### **Teaching methods**

Group work, Lecture, Practical, Independent work

### **Study material**

None

### **References**

### **Course content-related study coaching**

Interactive support using Ufora  
Personal coaching by electronic appointment

### **Assessment moments**

end-of-term and continuous assessment

### **Examination methods in case of periodic assessment during the first examination period**

Skills test, Oral assessment

**Examination methods in case of periodic assessment during the second examination period**

Skills test, Oral assessment

**Examination methods in case of permanent assessment**

Oral assessment, Peer and/or self assessment, Assignment

**Possibilities of retake in case of permanent assessment**

examination during the second examination period is possible in modified form

**Extra information on the examination methods**

Evaluation task

Peer assessment

**Calculation of the examination mark**

The final mark is the weighted average of the partim continuous assessment (20%) and the partim end-of-term assessment Examination Case (80%). When the student has a score of  $<9/20$  for any of the 2 separate components, the student can no longer longer pass the course . When the final mark is a value of 10 or more on 20, the final score will be reduced to 9/20 .