Course Specifications
Valid as from the academic year 2018-2019

Physiotherapeutical Assessment: Upper Limb (D002671)

Course offerngs and teaching methods in academic year 2018-2019

A (semester 2)
- **Dutch**
  - Lecture: 1.25 h
  - Practicum: 21.25 h
  - Guided self-study: 13.75 h
  - Lecture: plenary exercises: 2.5 h

B (semester 1)

Lecturers in academic year 2018-2019

- Cools, Ann (GE24) - lecturer-in-charge
- Castelein, Birgit (GE24) - co-lecturer

Offered in the following programmes in 2018-2019

- Bachelor of Science in Rehabilitation Sciences and Physiotherapy: 3 credits A

Teaching languages:
- Dutch

Keywords:
- Physiotherapeutical assessment, anatomy, kinesiology, upper limb

Position of the course:

The purpose of this course is to introduce the basic principles and skills in the clinical examination of the upper limb, based on knowledge of the anatomy, kinesiology and general principles of rehabilitations sciences and physiotherapy.

Contents:

- Kinesiology of the upper limb (arthrokinematics, functional movement analysis, muscle function)
- Palpation of the upper limb
- Basic-investigation of the upper limb (anamnesis, inspection, palpation, basic-function-investigation, structure based palpation).
- Objective measurements of the upper limb (antropometrics, goniometrics, muscle length tests, muscle force tests, evaluation tests)
- The relation of movement investigation to ICF-classification.
- Casus-based clinical reasoning about the physiotherapeutical assesment

Initial competences:

The student has knowledge and insight in the anatomy of the upper extremity. The student has knowledge of these courses: 'Introduction to Rehabilitation Sciences and Physiotherapy', 'Biomechanics including Physics' and 'Functional Anatomy: Extremities and Trunk' or when the inherent competences have been acquired in another way.

Final competences:

1. Be able to integrate the anatomical knowledge of the upper limb in order to gain insight in the execution and the coordination of movements of the upper limb
2. Be able to integrate the anatomical knowledge of the upper limb in order to do a specific basic investigation, with addition of neurogenic tests, muscle strength- and muscle length tests, and be able to interpret the results according to ICF.
3. Be able to do a specific basic function investigation of the upper limb, with addition of neurogenic tests, muscle strength tests and muscle length tests, and be able to
interprete the results recording to ICF.

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
Guided self-study, lecture, practicum, lecture: plenary exercises

Learning materials and price
syllabus, spread by REVAKI Gent
online learning path on Minerva
videomaterial of the practical skills
cost course material: approximately 10€

References
• "Manual Muscle Testing (Nancy Berryman Reece, WB Saunders)".
• "Onderzoek en behandeling van spierverkortingen (Karel Stappaerts en Filip Staes, Acco)".
• "Palpatie van het locomotorisch stelsel. Handleiding van de anatomie in vivo (Karel Stappaerts & Filip Staes, Acco)".
• "Bewegingsleer I De bovenste extremiteit (IA Kapandji, Bohn, Scheltema & Holkema)".
• "Anatomie in vivo (Dos Winkel, Bohn, Scheltema & Holkema)".

Course content-related study coaching
students can ask questions to the assistents-mentors before and after the courses.

Evaluation methods
end-of-term evaluation and continuous assessment

Examination methods in case of periodic evaluation during the first examination period
Written examination with multiple choice questions, skills test

Examination methods in case of periodic evaluation during the second examination period
Written examination with multiple choice questions, skills test

Examination methods in case of permanent evaluation
Participation

Possibilities of retake in case of permanent evaluation
examination during the second examination period is possible

Calculation of the examination mark
The final mark is the weighted average of the theoretical part (30%) and the practical part (70%). If the student has a score of <9/20 for any of the 2 separate components the student can no 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.