

SYLLABUS

Physiotherapy, assessment, intervention and interaction II 15 credits S0081H

Fysioterapi: Bedömning, intervention och interaktion II

Course syllabus admitted: Spring 2020 Sp 3 - Spring 2020 Sp 4

**DECISION DATE
2019-06-14**

Physiotherapy, assessment, intervention and interaction II 15 credits S0081H

Fysioterapi: Bedömning, intervention och interaktion II

First cycle, S0081H

| Education level | Grade scale | Subject | Subject group (SCB) |
|-----------------|-------------|-------------|---|
| First cycle | U G VG * | Fysioterapi | Therapy, Rehabilitation and Dietary Treatment |

Main field of study

Physiotherapy

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and Knowledge of the anatomy of the musculoskeletal system, respiratory and circulatory anatomy, muscle physiology, exercise physiology, pain physiology and neurophysiology (equivalent to M0080H Medical Science: Anatomy/Physiology 1 in position to physiotherapy and M0077H Medical Science Anatomy/Physiology 2 in position to physiotherapy) .

- scientific method regarding analysis of scientific text and writing of a scientific report (equivalent to S0085H Physiotherapy: Physical training and capacity) .
- principles, theories and models of motor control and motor learning (equivalent to S0083H Physiotherapy: Subject, Profession and Movement) .
- skills in strength and condition training as well as in healthy working methods concerning physical activity and diet (equivalent to S0085H Physiotherapy: Physical training and capacity. S0084H Physiotherapy: Health Promoting Practices) .
- Aetiology, pathophysiology, diagnostics, treatment and prognosis in diseases and injuries at all stages of life (equivalent to M0078H Medical science Pathophysiology 1 in position to Physiotherapy, M0079H Medical Science Pathophysiology 2 in position to Physiotherapy).

Selection

The selection is based on 1-165 credits.

Examiner

Irene Vikman

Course Aim

On completion of the course, the student should, in a scientific way, based on current laws and regulations, with an ethical approach, for individuals with a) functional impairment in the respiratory organs b) circulatory organs c) age-related physical disability, d) physical and psychosomatic physical disabilities as well as for e) adults and f) children with sensorimotor physical disabilities be able to:

1. with physiotherapeutic methods examine and assess the individual's impairments, mobility and motor behavior
2. suggest and explain physiotherapeutic measures to improve or maintain the individual's mobility and health
3. give examples of and justification for physiotherapeutic measures to promote health or prevent health problems at community level
4. be able to describe these individuals' function condition based on body function and structure, activity and participation (ICF-dimensions)
5. be able to suggest and instruct in the use of aids and locomotion technology for people with function impairments

Contents

- Physiotherapy in impairments in the respiratory organs
- Physiotherapy in impairments in the circulatory organs.
- Physiotherapy for individuals with age-related physical disabilities
- Physiotherapy for individuals with mental disease and disabilities
- Physiotherapy for children and adults caused by injuries and diseases in the central nervous system.
- International classification of functioning, disability and health, ICF
- Prescription process for aids
- Transfer techniques and patient safety handling methods

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Learning takes place within each subarea through independent work with literature studies, study assignments and laboratory sessions in groups where manual skills are exercised and through lectures where theoretical and practical teaching is integrated. In addition to this, field studies are included. The student's own active knowledge acquisition is crucial. In all tuition forms, the student is stimulated and encouraged to carry out problem-solving and to have a critical reflective attitude.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

- Learning outcomes 1-2, concerning physiotherapy in physical disability in the respiration and circulatory organs, are examined through written examination (test 0001, 0002).
- Learning outcomes 1-3, concerning physiotherapy for individuals with age-related physical disabilities, are examined through a written assignment and a seminar (test 0003).
- Learning outcomes 1-5, concerning physiotherapy for adults with sensorimotor physical disabilities caused by injury or disease in the central nervous system, are examined with a written assignment and practical examination (test 0004).
- Learning outcomes 1-3, concerning physiotherapy for individuals with mental disease and mental disability, are examined in the form of a written assignment (test 0005).
- Learning outcomes 1-3, concerning physiotherapy for children with neuromuscular and sensory physical disabilities and learning disability, are examined through a written assignment and a seminar (test 0006).

Criteria for a Pass grade and a Pass with credit are stated in the study guide.

Overlap

The course S0081H is equal to S0073H, S0102H

Literature. Valid from Autumn 2019 Sp 1

Olséni, L. & Wollmer, P. (2011). Sjukgymnastik vid nedsatt lungfunktion. Lund: Studentlitteratur.

*Beckung, E. Brogren, E & Rösblad, B. (2013). Fysioterapi för barn och ungdom, Teori och tillämpning. Studentlitteratur. Lund

*Borg, J,(red) (2006) Rehabiliteringsmedicin-teori och praktik. Studentlitteratur

Carr, J & Shepherd R.(2003) Stroke Rehabilitation-guidelines for exercise and training to optimize motor skill. Butterworth & Heinemann

Lundvik Gyllensten, A., Skoglund, K. & Wulf, I. (2015). Basal kroppskännedom: den levda kroppen. (1. uppl.) Lund: Studentlitteratur.

Probst, M. & Skjaerven, L.H. (red.) (2018). Physiotherapy in mental health and psychiatry: a scientific and clinical based approach. Edinburgh: Elsevier.

*Shumway-Cook, A. & Woollacott, M. (2016) Motor Control: Translating Research into Clinical Practice. Baltimore, Md: Williams & Wilkins.

* Statens folkhälsoinstitut. (2008) Fysisk aktivitet i sjukdomsprevention och sjukdomsbehandling. Statens folkhälsoinstitut.

Course offered by

Department of Health Sciences

Modules

| Code | Description | Grade scale | Cr | Status | From period | Title |
|------|---|-------------|-----|-----------|-------------|-------|
| 0003 | Hand-in assignment and seminar | U G VG * | 3 | Mandatory | A14 | |
| 0004 | Written practical examination | U G VG * | 4.5 | Mandatory | A14 | |
| 0005 | Hand-in assignment | U G VG * | 3 | Mandatory | A14 | |
| 0006 | Hand-in assignment and seminar | U G# | 1.5 | Mandatory | A14 | |
| 0007 | Written exam - individuals with respiratory disease | U G VG * | 1.5 | Mandatory | A17 | |
| 0008 | Written exam - individuals with heart disease | U G VG * | 1.5 | Mandatory | A17 | |

Last revised

by Dean of Department of Health Sciences 2019-06-14

Syllabus established

by Prefekt vid Inst för hälsovetenskap 2014-02-12