

**SYLLABUS**

# **Physiotherapy Ortopaedic Manual Therapy Columna II 15 credits S7041H**

**Fysioterapi ortopedisk manuell terapi columna II**

**Course syllabus admitted: Autumn 2018 Sp 1 - Present**

**DECISION DATE  
2018-06-14**

# Physiotherapy Ortopaedic Manual Therapy Columna II 15 credits S7041H

## Fysioterapi ortopedisk manuell terapi columna II

### Second cycle, S7041H

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

### Main field of study

Physiotherapy

## Entry requirements

S7030H Physiotherapy, Ortopaedic Manual Therapy, The Extremities I  
S7029H/S7040H Physiotherapy: Ortopaedic Manual Therapy Columna I

## Selection

The selection is based on 30-285 credits

## Examiner

Peter Michaelson

## Course Aim

The student should, on completion of the course, for individuals with disorders in the neck and thoracic spine within physiotherapy orthopaedic manual therapy, be able to:

1. With clinical reasoning perform an appropriate physiotherapy examination and treatment, based on functional anatomy, pain physiology and with a biopsychosocial perspective.
2. Based on medical scholarship and best practice, be able to analyse and evaluate clinical findings and thereby plan, carry out and evaluate adequate treatment.
3. Based on evidence based practice, describe appropriate physiotherapy examination and treatment approaches.
4. Explain the theoretical content of the course.
5. Theoretically explain and practically apply the terms reliability, validity, sensitivity and specificity.
6. Carry out a Single subject experimental design study (SSEDstudy).

## Contents

In the course, lectures and individual assignments in functional biomechanics, anatomy, pain physiology, clinical argument and scientific method are included. The concepts reliability, validity, sensitivity and, specificity will be discussed and applied concerning measures within the field of physiotherapy. The students will carry out an SSED study on individuals with musculoskeletal system disorders with appropriate outcome measures.

## Realization

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

Learning in the course takes place through lessons at scheduled course meetings in Luleå where theory and clinical word are incorporated. Individual assignment, either alone or in group is mandatory , covering literature studies, study assignments and in patient physiotherapy intervention. In all tuition forms, the student is stimulated and encouraged to carry out problemsolving 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. Objectives 1, 2 and 3 are examined partly through written, practical examination and through practical work with individuals with difficulties (test 0001, 5 credits. Fail, Pass, Pass with distinction) Objectives 3 and 4 are examined partly through a written examination (test 0002, 3,5 credits. Fail, Pass, Pass with distinction). Objective 5 is examined through report and seminar (test 0003, 1.5 credits. Fail, Pass). Objective 6 is examined through a SSED-report and seminar (test 0004, 4.5 credits . Fail, Pass, Pass with distinction).

Criteria for pass and pass with distinction are stated in the study guide.

## Remarks

This course is given for secondcycle studies. Study supervision is provided in the course room in Canvas.

## Overlap

The course S7041H is equal to S7023H, S7051H

## Literature. Valid from Autumn 2018 Sp 1

- \* Carter, R Ed (2016). Rehabilitation Research Principles And Applications. Elsevier Health Sciences 5th ed. ISBN: 1455759791
- \* Petty, N. (ed.) (2011), Neuromusculoskeletal Examination and Assessment 4'ed. Churchill-Livingstone Elsevier, London, Storbritannien. ISBN: 9780702029905
- Kaltenborn, F (2011). Manual Mobilization of the Joints - The Spine 6th (?) Edition. Norli förlag, Norge,ISBN 9780011992020.
- Kaltenborn, F (2011). Manual Mobilization of the Joints - Volume III: Traction Manipulation of the extremities and Spine. Norli förlag, Norge,ISBN: 9788270540709.
- \* Sahrman S. (2011) Movement system impairment syndromes of the extremities, cervical and thoracic spine. Elsevier, Missouri USA
- \* Sahrman S. (2002) Diagnosis and treatment of movement impairment syndromes. Elsevier, Missouri USA.
- \* Kosek, E, Lampa J, Nisell R. (2016) Smärta och inflammation. Studentlitteratur. ISBN: 9789144056357
- \* Kendall, F (2010). Muscles: Testing and Function, with Posture and Pain. Lippincott Williams and Wilkins, 2010.
- \* Jull G, Moore A, Falla D. (2015) Grieve's modern musculoskeletal physiotherapy. Churchill-Livingstone Elsevier, London, Storbritannien. ISBN: 9780702051524
- \* Brukner, P, Clarsen B, Cook J, Cools A, Brukner & Khan's Clinical Sports Medicine: Injuries Volume 1

### Reference literature

- \* Kapandji, A. (2010). Physiology of the joints, Volume II, Lower Limb. Churchill-Livingstone Elsevier, London, Storbritannien.
- \* Kapandji, A. (2007). Physiology of the joints, Volume I, Upper Limb. Churchill-Livingstone Elsevier, London, Storbritannien.

Kapandji, A. (2010). Physiology of the joints, Volume III, Lower Limb. Churchill-Livingstone Elsevier, London, Storbritannien.

\* compulsory literature from earlier courses  
Appropriate anatomy and physiology book

Scientific articles and compendiums to be added

## **Course offered by**

Department of Health, Education and Technology

## **Items/credits**

No items/credits available

## **Syllabus established**

by Prefekt vid Institutionen för hälsovetenskap 2018-06-14