

**SYLLABUS**

# **Physiotherapy: Orthopaedic Manual Therapy 15 credits S0095H**

**Fysioterapi: Ortopedisk manuell terapi**

**Course syllabus admitted: Autumn 2023 Sp 1 - Present**

DECISION DATE  
**2023-02-14**

# Physiotherapy: Orthopaedic Manual Therapy 15 credits S0095H

## Fysioterapi: Ortopedisk manuell terapi

### First cycle, S0095H

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

## 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 150 credits of completed course requirements in the degree programme for the professional qualification in physiotherapy consisting of knowledge in examining, assessing and treating functional limitations in mobility (S0071H/S0080H, S0073H/S0081H and S0045H/S0082H).

## Selection

The selection is based on 1-165 credits.

## Course Aim

On completion of the course the student should with a scientific base, in an evidence based perspective with an ethical viewpoint be able to:

- 1) Present good knowledge and manual skills in general and specific examination technique for function disorders in the columna and extremities.
- 2) With acquired knowledge analyze and evaluate the pain condition and pain origin for function disorders in the columna and extremities.
- 3) With clinical reasoning discuss possible function- and patoanatomical diagnoses for function disorders in the columna and extremities.
- 4) Based on the diagnosis, plan and execute adequate physiotherapeutic treatment including manual treatment as well as specific exercises with the aim to increase level of function and/or relieve the pain-condition.
- 5) Review for the theoretical content of the course.
- 6) Review for physiotherapeutical evidence based medicine for function disorders in the columna and extremities.

## Contents

Practical proficiency training in physiotherapy methods of examination, function assessment and treatment of individuals with functional problems in the back and extremities.

Theoretical subject knowledge in:

- Motor learning
- Motor control
- Functional anatomy and biomechanics
- Physiology and pathophysiology for muscles, tendons, ligaments and cartilage.
- Pain physiology
- The importance of movement, physical activity and other factors that are important for health and recovery are treated during teaching sessions and in individual work.

## Realization

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

The course contains lectures comprising functional anatomy, biomechanics, clinical syndromes and pain conditions. Differential diagnosis is also treated, as well as the basic principles of examination and treatment techniques in OMT. Demonstrations and practical exercises take place in groups and include general and specific examination techniques for the neuromusculoskeletal system. Also included are treatment techniques for specific mobilisation and manipulation along with stability training, treatment of pain conditions, muscle stretching techniques, home programs as well as group assignments dealing with patient cases. The student will also, individually and/or in groups, implement and prepare various advanced assignments.

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.

Course aim 1 – 4 examines through oral and practical examination (test 3)

Course aim 5 examines through digital written examen (test 4)

Course aim 6 examines through report and seminars (test 5)

Grading criteria for fail, pass and pass with distinction are stated in the study guide.

## Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

## Remarks

The course corresponds to OMT step 1.  
Study plan is provided in the course room in Canvas.

## Course offered by

Department of Health, Education and Technology

## Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0003	Oral practical examination	U G VG *	8	Mandatory	A23	
0004	Digital written examination	U G#	3	Mandatory	A23	
0005	Report evidence with seminars	U G#	4	Mandatory	A23	

## Last revised

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2023-02-14

## Syllabus established

by Prefekt vid Inst för hälsovetenskap 2015-05-21