

SYLLABUS

Physiotherapy, assessment, intervention and interaction I 15 credits S0080H

Fysioterapi: Bedömning, intervention och interaktion I

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2022-02-11**

Physiotherapy, assessment, intervention and interaction I 15 credits S0080H

Fysioterapi: Bedömning, intervention och interaktion I

First cycle, S0080H

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, the anatomy of the respiration and circulatory organs, muscle physiology, exercise physiology, pain physiology and neurophysiology (equivalent to M0024H/M0080H Medical Science: Anatomy/Physiology I in position to physiotherapy and M0025H/M0077H Medical Science: Anatomy/Physiology II in position to physiotherapy).
- scientific method regarding analysis of scientific text and writing of a scientific report (equivalent to S0085H/S0097H Physiotherapy: Physical training and capacity) .
- principles, theories and models of motor control and motor learning (equivalent to S0068H/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/S0097H Physiotherapy: Physical training and capacity, S0074H/S0084H Physiotherapy: Health Promoting Practices).
- Aetiology, pathophysiology, diagnostics, treatment and prognosis in diseases and injuries at all stages of life (equivalent to M0035H/M0078H Medical Science Pathophysiology I in position to physiotherapy, M0036H/M0079H Medical Science Pathophysiology II in position to physiotherapy).

Selection

The selection is based on 1-165 credits.

Course Aim

On completion of the course, the student should, in a scientific way, based on current laws and regulations as well as with an ethical viewpoint be able to:

1. Carry out a basic physiotherapeutic examination.
2. Describe physiotherapeutic methods to examine, assess, treat and document function and physical disabilities for individuals with disabilities of the upper and lower extremities.
3. Describe and apply relevant evaluation instruments for individuals with disabilities of the upper and lower extremities.
4. Describe basic measure theoretical concepts and validity for screening and diagnostics
5. Describe the concept of scientific evidence and make a simple compilation of evidence
6. Describe the functional anatomy of the body and biomechanics.

Contents

The physiotherapeutic process

- Basic physiotherapeutic treatment

Physiotherapeutic examination including:

- Medical history
- Inspection
- Joint mobility
- Nerve mobility
- Muscle function
- Analysis of pain
- Clinical reasoning

Physiotherapeutic methods including examination with specific tests, palpation and neurological screening in order to develop a functional and medical diagnosis for individuals with disabilities of:

- Shoulder
- Elbow, wrist and hand
- Hip
- Knee
- Foot

From a physiotherapeutic knowledge perspective review:

- Reliability and validity
- Sensitivity, specificity, positive and negative predictive value
- Evidence

Functional anatomy and biomechanics in the field of medical science including:

- The impact of joint configurations for the function of the joint
- Joint stability
- Hypo/hyper-mobility
- Neuromuscular control
- Neurodynamics
- Biomechanics
- Postural control
- Walking function

Realization

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

In order to complete the course, the student should actively seek knowledge and solve problems using an inquiring and critically reflective approach. This means that the student should take responsibility by actively contributing to the achievement of course objectives through the planning of content and time. The contents of the course are treated through literature studies, group work, lectures, oral and written presentations and seminars. Course requirements are completed study assignments and compulsory attendance and an active participation in discussions at seminars.

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 are examined through an oral practical individual examination (test 4 and 5). Learning outcomes 3-5 are examined through written reports and seminars (test 2). Learning outcome 6 is examined through a written individual examination (test 3). Criteria for a Pass grade and a Pass with credit 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

This is a first-cycle course. Study supervision is provided in the course room in Canvas. A pass in this course is a prerequisite for Work Placement and the thesis.

Overlap

The course S0080H is equal to S0071H

Replaces S0071H

Course offered by

Department of Health, Education and Technology

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0002	Written reports and seminars	U G#	3	Mandatory	A14	
0003	Written exam functional anatomy and biomechanics	U G VG *	6	Mandatory	A14	
0004	Oral practical individual examination	U G VG *	5.5	Mandatory	A17	
0005	Examination part 1 and 2	U G#	0.5	Mandatory	A17	

Last revised

by Anna Öqvist, Director of Undergraduate Studies at the Department of Health, Education and Technology 2022-02-11

Syllabus established

by Prefekt vid Inst för hälsvetenskap 2014-02-12