

## COURSE SYLLABUS

### Pathophysiology related to Prosthetics and Orthotics, 7.5 credits

*Pathophysiology related to Prosthetics and Orthotics, 7.5 högskolepoäng*

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Course Code: H1P RTP	Education Cycle: First-cycle level
Confirmed: Sep 24, 2025	Disciplinary domain: Medicine
Valid From: Jan 18, 2027	Subject group: Medicine
	Specialised in: G1F First cycle, has less than 60 credits in first-cycle course/s as entry requirements

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### Intended Learning Outcomes (ILO)

On completion of the course the student will be able to:

#### Knowledge and understanding

- describe common injuries and diseases related to the musculoskeletal system
- describe common neurological injuries and diseases
- describe consequences of dysfunctions related to the musculoskeletal system and nervous system
- explain the consequences of interventions for individuals experiencing dysfunctions related to the musculoskeletal system and nervous system.

#### Skills and abilities

- use correct medical terminology.

#### Judgement and approach

- appreciate the influence of musculoskeletal and neurological dysfunctions regarding physical activity and inactivity.

#### Content

- orthopedic injuries and diseases
- neurological injuries and diseases
- internal medicine dysfunctions related to degenerative joint diseases, peripheral vascular diseases and complications
- habilitation and rehabilitation aspects connected to treatment

#### Type of instruction

The course is implemented through lectures and seminars.

Language of instruction is in English.

#### Entry requirements

General entry requirements and completion of the course Anatomy and Physiology, Basic Course, 7.5 credits (or the equivalent).

## Examination and grades

The course is graded Pass (G) or Fail (U).

Examination of the course will be based upon an individual written examination and a seminar.

Registration of examination:

Name of the Test	Value	Grading
Written examination	6.5 credits	G/U
Seminar	1 credit	G/U

## Course literature

Please note that changes may be made to the reading list up until eight weeks before the start of the course.

Frontera, W. R. (2020). *DeLisa's physical medicine and rehabilitation : principles and practice*. Wolters Kluwer.

Reference literature

Chui, K. K., Yen, S.-C., Piscitelli, D., Wang, I., & Lusardi, M. M. (2026). *Orthotics and prosthetics in rehabilitation*. Elsevier.

Latest edition of the course literature shall be used.