

## COURSE SYLLABUS

### Prosthetic and Orthotic management in Paediatrics, 7.5 credits

*Protes- och ortosförsörjning inom barnortopedi, 7.5 högskolepoäng*

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Course Code: H1POOI	Education Cycle: First-cycle level
Confirmed: Jan 21, 2026	Disciplinary domain: Medicine
Valid From: Aug 24, 2026	Subject group: Medical Technologies
	Specialised in: G2F First cycle, has at least 60 credits in first-cycle course/s as entry requirements
	Main field of study: Prosthetics and Orthotics

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### Intended Learning Outcomes (ILO)

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

#### Knowledge and understanding

- differentiate between normal and atypical development in children and adolescents
- compare differences in obtaining a medical history on paediatric and adult patients
- describe acute and chronic paediatric conditions, congenital and genetic syndromes commonly encountered by prosthetist/orthotists, and the effect of age on their manifestations and treatment
- appraise literature to determine the best orthotic/prosthetic practice for a wide variety of paediatric conditions
- compare the difference between informed consent, assent, and parental permission.

#### Skills and abilities

- apply laws for mandatory reporting of suspected child abuse and procedures for reporting
- formulate an effective treatment plan with consideration of the child's age and condition, including the selection of appropriate outcome measures
- identify paediatric conditions which are appropriate for orthotic/prosthetic interventions
- justify selection of orthotic/prosthetic interventions with consideration of best available evidence.

#### Judgement and approach

- identify limits to their own practice/knowledge and recognise when to request assistance from other professions.

#### Content

- normal and atypical motor development
- paediatric versus adult assessment
- common paediatric conditions requiring prosthetic or orthotic management
- orthotic and prosthetic devices for the paediatric patients
- scoliosis management
- seating treatment and devices for the paediatric patients
- consent versus assent
- laws and regulations when treating pediatric patients
- convention on the Rights of the Child
- assessment tools and outcome measures for paediatric patients

#### Type of instruction

The course is implemented through lectures and tutorials.

Language of instruction is English.

## Entry requirements

General entry requirements and passed courses in semester 1, 2, and 3, and taken courses in semester 4 from the Prosthetics and Orthotics Bachelor Programme, or equivalent.

## Examination and grades

The course is graded A, B, C, D, E, FX or F.

Examination will be based upon a combined examination that includes seminars and written assignments.

Registration of examination:

Name of the Test	Value	Grading
Combined examination	7.5 credits	A/B/C/D/E/FX/F

## Course literature

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

Lusardi, M., Jorge, M., & Nielsen, C. (2013). *Orthotics and Prosthetics in Rehabilitation*. Elsevier.

Morris, C., & Dias, L. (2007). *Paediatric Orthotics: Orthotic Management of Children*. MacKeith Press.

The most recent editions of the course literature should be used. Additional relevant journal articles will be used.