



KURSPLAN

Prosthetic and Orthotic Management of the Upper Limb, 7,5 högskolepoäng

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Kurskod:	HPLK19	Utbildningsnivå:	Grundnivå
Fastställd av:	Utbildningsrådet 2018-05-09	Utbildningsområde:	Tekniska området
Gäller fr.o.m.:	2019-11-04	Ämnesgrupp:	MT2
Version:	1	Fördjupning:	G1F
Diarienummer:	Department of Rehabilitation	Huvudområde:	Ortopedteknik

Lärandemål

Upon completion of the course students should have the ability to:

Kunskap och förståelse

- compare and contrast best available evidence related to orthotic and prosthetic management of upper extremity impairments
- explain relevant treatment strategies and interventions for upper limb orthotic management
- explain relevant treatment strategies and interventions for upper limb prosthetic management
- describe common materials and manufacturing methods used in the production of upper extremity prostheses and orthoses
- describe rehabilitation and orthotic interventions commonly used to manage burns/trauma of the hand
- explain principles used in the management of fractures
- describe biomechanical principles relevant to the subject area.

Färdighet och förmåga

- perform an independent assessment to determine the desired function of a prosthetic or orthotic device and communicate this with the client
- discuss interventions and outcomes in accordance with relevant laws, regulations and quality registries
- critically evaluate the relevance of current science and proven experience within the subject area
- show familiarity with frequently used materials and equipment necessary in the production of devices for the upper limb
- manufacture orthoses and prostheses for the upper limb in accordance with occupational health and safety guidelines
- use appropriate outcome measures to evaluate interventions.

Värderingsförmåga och förhållningssätt

- be aware of and respect the role and responsibilities of prosthetist/orthotists and other professionals
- understand when clients are in need of multidisciplinary care and recognize when other health professionals are needed
- evaluate and reflect on an intervention considering biomechanical, ethical, personal, social and societal factors
- continually evaluate and improve one's own contribution/performance.

Innehåll

- prostheses for the upper limb
- orthoses for the upper limb
- management of burns
- soft tissue biomechanics related to stretching
- current research and evidence within the subject area
- terminology for the upper limb orthoses and prostheses

Undervisningsformer

The course is conducted through lectures, case seminars and laboratory sessions including patient meetings.

Undervisningen bedrivs på engelska.

Förkunskapskrav

General entry requirements and completion of the courses Anatomy and physiology, basic course, 7,5 credits, Pathophysiology related to prosthetics and orthotics, 7,5 credits, Orthotic management and biomechanics I, 15 credits (eller motsvarande kunskaper).

Examination och betyg

Kursen bedöms med betygen A, B, C, D, E, FX eller F.

The examination will be based upon one individual written examination and one practical examination.

A university lecturer serves as examiner for the course.

Poängregistrering av examinationen för kursen sker enligt följande system:

Examinationsmoment	Omfattning	Betyg
Individual written examination	6,5 hp	A/B/C/D/E/FX/F
Practical examination	1 hp	U/G

Övrigt

Attendance requirements

During the course attendance is compulsory during laboratory sessions and seminars.

Temporary interruption of a course

The School of Health and Welfare may suspend a student's participation in clinical training or

other practical activities during the course if a student demonstrates gross unfitness/incompetence when applying skills. A student whose work-based training or other practical activities have been canceled due to gross inadequacy/incompetence may not continue study before the course director or examiner has verified and approved that the student has the knowledge and skills required. In connection with a decision on suspension, the decision will specify the grounds on which the suspension is based. After the decision, an individual plan will be established for the student where knowledge and skills gaps are specified, the degree of support the student is entitled to, and the terms and date(s) for examination(s).

Kurslitteratur