



COURSE SYLLABUS

Prosthetics and Orthotics, Clinical Placement Studies, 15 credits

Prosthetics and Orthotics, Clinical Placement Studies, 15 högskolepoäng

Course Code: HPCN13	Education Cycle: First-cycle level
Confirmed by: Utbildningsrådet Apr 11, 2023	Disciplinary domain: Medicine
Valid From: Aug 28, 2023	Subject group: MT2
Version: 1	Specialised in: G2F
	Main field of study: Prosthetics and Orthotics

Intended Learning Outcomes (ILO)

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

Knowledge and understanding

- explain and justify different treatment options within the subject area
- show knowledge about the connection between science and proven experience and the relevance for the profession
- explain and critically evaluate the profession in relation to relevant rules and regulations and quality dimensions.

Skills and abilities

- collaborate with the client(s) in development of their management plan
- access correct subjective and objective information from the client, to facilitate development of an appropriate management plan
- plan, explain and justify treatment goals and solutions with clients
- perform, document, and evaluate the results of prosthetic and orthotic interventions and reflect upon potential areas for improvement
- contribute to preventive care within prosthetics and orthotics
- use equipment, products and methods in accordance with occupational health and safety guidelines.

Judgement and approach

- demonstrate professionalism in contact with clients and peers, ensuring that all interactions are made with respect, empathy, honesty and with consideration of cultural diversity, life situations and other factors that shape a person's identity with particular regard to human rights
- recognize core competencies required of a clinical prosthetist/orthotist and reflect upon one's own professional competence
- reflect upon client care in relation to quality dimensions.

Contents

- prosthetic and orthotic treatment options and solutions
- common manufacturing methods within prosthetics and orthotics
- organization and working methods within the profession
- quality and improvement within health and welfare
- the multi-disciplinary team
- client centered care
- guidelines and regulations for professional and ethical practice

Type of instruction

The course is implemented through a supervised clinical placement and seminars.

The teaching is conducted in English.

Prerequisites

General entry requirements and passed courses in semester 1, 2, and 3, taken courses in semester 4, and taken course Orthotic management and biomechanics II, 7.5 credits in semester 5, in the Prosthetics and Orthotics Bachelor Programme, or the equivalent.

Examination and grades

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

The course is examined through seminars, individual written assignment and practical examinations. Assessment of clinical placement is also included as a basis for examination.

A university lecturer serves as examiner for the course.

Registration of examination:

Name of the Test	Value	Grading
Seminars	1 credit	U/G
Individual written assignment	1 credit	U/G
Practical examinations	10 credits	A/B/C/D/E/FX/F
Clinical placement	3 credits	U/G

Other information

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).

Course literature

Chui, K.C., Yen, S.C., Lusardi, M.M., & Jorge, M. (Eds). (2020). *Orthotics & prosthetics in rehabilitation*. (4th. Ed.). Elsevier Saunders.

Fisk, J.R., Lonstein, J.E., & Malas, B.S. (2017). *The Atlas of Spinal Orthotics*. Exceed Worldwide.

Krajbich, J.I., Pinzur, M.S., Potter, B.K., & Stevens, P.M. (Eds). (2018). *Atlas of amputations and limb deficiencies: surgical, prosthetic, and rehabilitation principles. Vol. 1, General topics, Upper limb (4th ed.)*. American Academy of Orthopaedic Surgeons, Wolters Kluwer.

Krajbich, J.I., Pinzur, M.S., Potter, B.K., & Stevens, P.M. (2018). *Atlas of amputations and limb deficiencies: surgical, prosthetic, and rehabilitation principles. Vol. 2, Lower limb, management issues (4th. ed.)*. American Academy of Orthopaedic Surgeons, Wolters Kluwer.

McRae, R. (2010). *Clinical Orthopaedic Examination*. (6th. ed.). Churchill Livingstone Elsevier.

Webster, J., & Murphy, D. (Eds). (2019). *Atlas of orthoses and assistive devices*. (5th. ed.). Elsevier.

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