COURSE SYLLABUS

Orthopeadic Technology, Basic Course, 6 credits

Ortopedteknik, grundkurs, 6 högskolepoäng

Course Code:	HOTG11	**Education Cycle:**	First-cycle level
Confirmed by:	Chairperson of the Educational Council Mar 28, 2011	**Disciplinary domain:**	Medicine
Revised by:	Director of Education Mar 9, 2016	**Subject group:**	MT2
Valid From:	Aug 29, 2016	**Specialised in:**	G1N
Version:	2	**Main field of study:**	Prosthetics and Orthotics
Reg number:	2016/1143 (313) Avdelningen för rehabilitering/Department of Rehabilitation		

Intended Learning Outcomes (ILO)

On completion of the course, the students should be able to:

Knowledge and understanding

- describe the prosthetists and orthotists professional role, area of responsibility, obligations and working methods
- account for the fundamentals and concepts of prosthetics and orthotics
- give an overview of the organisation and collaborative practices of prosthetics and orthotics
- describe the concept of knowledge accumulation based on different scientific theories and identify differences between the theories
- account for the different steps of the research process and the structure of the scientific article
- identify and describe the ethical requirements of research involving humans
- account for relevant prosthetics and orthotics research.

Skills and abilities

- summarise scientific articles
- find relevant scientific literature.

Judgement and approach

- display self-awareness in group processes.

Contents

Prosthetics and Orthotics, 3 credits

- the fundamentals and concepts of prosthetics and orthotics
- the national and international development of prosthetics and orthotics
- the prosthetics and orthotics engineer profession
- the organisation and collaborative practices of prosthetics and orthotics
- confidentiality legislation
- learning and group processes

Scientific Method and Theory, 3 credits

- scientific theory
- scientific method
- information search
- current research within prosthetics and orthotics
- research ethics

Type of instruction

The teaching consists of lectures, seminars, field studies and exercises performed in groups. During the course, there are recurring group sessions, the purpose of which is to highlight learning and group processes.

The teaching is normally conducted in Swedish, but can occasionally be in English.

Prerequisites

General entry requirements and Chemistry A, Mathematics D, Physics B Or: Chemistry 1, Mathematics 3c, Physics 2 (Field-specific entry requirements 8) and required grade Passed/E or the equivalent.

Examination and grades

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

Both module 1 and module 2 are examined by an individual written assignment.

The course is examined by a university lecturer.

Registration of examination:

Name of the Test	Value	Grading
Orthopeadic Technology	3 credits	A/B/C/D/E/FX/F
Scientific Method and Theory	3 credits	A/B/C/D/E/FX/F

Other information

Attendance regulations

Compulsory attendance applies to group sessions, seminars and field studies.

Course literature

Creme, P., & Lea, MR. (2008). *Writing at university a guide for students.* Buckingham: Open University Press.

Levin, P. (2005). *Successful teamwork! For undergraduates and taught postgraduates working on group projects*. Maidenhead: Open University Press.

Lusardi, M., & Nielsen, C. (2007). *Orthotics and Prosthetics in Rehabilitation*. USA: Butterworth Heinemann.

The course literature will also include additional scientific articles.

The latest edition of course literature will be used.