



HL101U Handling Medical Devices 7.5 credits

Att hantera medicinsk teknik

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for HL101U valid from Autumn 2015

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Admissions requires appointment within Stockholm County Council, completed upper secondary education and skills equivalent to at least assistant nurse with practical experience from medical care.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

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

- Describe and understand the regulations governing medical devices in healthcare
- Determine whether a medical device meets the requirements for being used
- Describe how to work systematically for the safe and appropriate use of medical devices
- Identify and analyse the risks associated with medical devices in the own clinic
- Explain different medical engineering methods that are used for diagnosis and therapy
- Present course experiences to colleagues

Course contents

The course is online with three course meetings. It is divided into five parts:

- Patient safety & hospital hygiene
- Technology & IT in healthcare
- Management systems & organisation
- Risk management
- Rules & Regulations

Disposition

The course has a number of mandatory assignments, some of which are made individually while others are done in groups.

The course participants are also examined through an online exam with multiple-choice questions. The experience from the course is finally presented in the participants own workplace.

Apart from 3 course meetings in Flemingsberg, the course is web-based using the learning platform Ping Pong (Bilda). It runs on part-time during 20 weeks, corresponding to five weeks of full-time study. The main work is done individually, but some parts are performed in groups.

Course literature

Jacobson, B. & Öberg, P.Å. (2003) Teknik i praktisk sjukvård.

Examination

- RED1 - Accounts, 7.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Requirement for final grade are approved assignments, online examination and attendance at the course meetings.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.