Safety in Hospitals

Single subject course

3 credits
Medicinteknisk säkerhet

ETE034
Valid from: 2018 Spring semester

Determined by
Board of Studies for Chemistry, Biology and Biotechnology

Determining date
2016-10-27
Main field of study

Biomedical Engineering

Course level

First cycle

Advancement level

G1X

Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Prerequisites

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Intended learning outcomes

The course should facilitate knowledge of physiological effects of electric current and exposure to gas and ionizing radiation, as well as law and regulation on use of biomedical equipment. Quality control and patient safety, especially when using information technology systems.

Course content

Physiological effects of electric current and exposure to gas and ionizing radiation. First Aid. Laws and regulations. Swedish and international standards. Supervisory authorities. Health care staff responsibilities. Standards for hospital armature; labelling and codes. Technical methods to increase safety when working with biomedical equipment.

Teaching and working methods

Teaching comprises lectures, seminars and laborations. Intensive course.

Examination

LAB2    Laborations U,G  1.5 credits
UPG1    Open book, home exam U,G  1.5 credits

Grades are given as ‘Fail’ or ‘Pass’.

Grades

F, P

Subject area

Other Subjects within Technology

Disciplinary domain

Medicine

Department

Department of Biomedical Engineering (IMT)

Director of Studies

Marcus Larsson

Examiner
Linda Rattfält

Course website and other links

https://www.imt.liu.se/edu/singlesubjectcourses/mts.html

Education components

Not specified 32 h

Recommended self-study hours

48 h