



**Karolinska
Institutet**

Course syllabus for

Emergency and Disaster Medicine, 6 credits

Akutsjukvård och katastrofmedicin, 6 hp

This course syllabus is valid from spring 2019.

Please note that the course syllabus is available in the following versions:

Autumn2013 , Spring2017 , Spring2018 , Spring2019 , Spring2022 , Spring2024 , Spring2025

Course code	1RS055
Course name	Emergency and Disaster Medicine
Credits	6 credits
Form of Education	Higher Education, study regulation 2007
Main field of study	Not applicable
Level	GX - First cycle
Grading scale	Pass with distinction, Pass, Fail
Department	Department of Clinical Science, Intervention and Technology
Decided by	Programnämnd 6 (Biomedicinska analytikerprogrammet och Röntgensjuksköterskeprogrammet)
Decision date	2013-04-18
Revised by	Education committee CLINTEC
Last revision	2018-10-16
Course syllabus valid from	Spring 2019

Specific entry requirements

To be qualified to a higher semester, it is required that the student has taken at least 15 credits from last semester, and all credits from previous semesters.

Objectives

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

- describe the organisation and preparedness of the society and the healthcare at larger accidents and disasters at a general level.
- understand general principles in emergency care by accounting for ABCDE.
- describe acute diseases, including, neurology thorax, abdomen, orthopaedics and allergic conditions, burn and cold injuries.
- motivate measures in cases of urgent diseases.
- practically perform CRP as well as measures at respiratory stops and medical engineering measures that can arise
- understand mental reactions in connection with larger accidents and disasters

Content

The course in emergency care and disaster medicine has its focus on radiological activities and where such activities can become participating. Based on this the course is build on five themes:

1. Disasters in Sweden

During this theme events where society's preparedness was put on a trial basis is treated. The theme discuss the current contingency plans and organizations that are found both in municipality, county council, state and health care.

2. Assess and handle acute- trauma patients

During this theme and based on a number scenario that can occur in radiological activities students are trained to systematically assess patient, based on ABCDE and during the theme also includes to be trained on to handle and move patients that are under serious traumas. Scenarios makes possible for student to be trained in handle acute happenings such as anaphylactic reactions and other seriousness situations. During the theme students are also given possibility to understand and train to handle patients relatives reactions but also the students and the reaction of colleagues in connection with these events.

3. Trauma patients in radiological activities

During the theme lectures are given about the current "trauma patients" that can be seen in radiological activities in both orthopaedics, surgery, neurology and other specialities in health care.

4. Experiences at and around trauma and acute situations in radiology

During the theme experiences spent experienced X-ray nurses at acute and trauma similar situations are presented and are discussed. These are based on what happened, action, how went it? Furthermore, it is discussed during this theme which preparedness exist at radiological sections at serious events (debriefing).

5. Practical training

During this theme possibility are also given to study visits/field studies at activities that are current at acute and catastrophe like situations for example trauma unit and ambulance.

Teaching methods

The working methods that are used during the course is lectures, proficiency training, seminar and work-integrated learning.

The course contain compulsory proficiency trainings work-integrated learning and seminars.

Assessing responsible about and if so how absence from compulsory education elements can be taken again. Until the student has participated in the compulsory parts (or compensated any absence with assigned tasks in accordance with instructions from the course director) the final study results can not be reported.

Examination

The course is assessed through a practical examination that include subcutaneous and intramuscular injections as well as through an individual written examination. To pass course are required also participating on compulsory components were scenario training is one.

Absence from a mandatory education element could mean that the student can not do the part until the next time the course is offered.

Student who do not pass the regular examination are entitled to five more occasions. In connection to the course three occasions will be given One within the course, one during the following re-examination. The third opportunity is provided before the beginning of the next semester, or in close connection to that. In certain cases, it is required that the student submits an exemption application before he/she get the results of his/her latest completed examination. Three more opportunities will be provided as described above when the course is run next time.

If the student implemented six failed examinations are given no additional examination. As examination,

the times are counted when the student has participated in the same test. Submission of blank exam is counted as examination. Examination to which student registered but not participated be counted not as examination.

Transitional provisions

The student may be examined according a previous syllabus within a year after the date when a close-down or major changes of the course was decided.

Other directives

Evaluation of the course will be carried out according to the guidelines that are established by the Board of Education at Karolinska Institutet.

Literature and other teaching aids

Strömberg, Johan

Akutsjukvård

1. uppl. : Stockholm : Sanoma utbildning, 2012 - 312 s.

ISBN:978-91-523-1520-0 LIBRIS-ID:12453369

[Library search](#)

Katastrofmedicin

Lennquist, Sten

3., [omarb. och utvidgade] uppl. : Stockholm : Liber, 2009 - 448 s.

ISBN:978-91-47-08481-4 LIBRIS-ID:11289941

URL: [Omslagsbild](#)

[Library search](#)

Wikström, Jonas

Akutsjukvård : omvårdnad och behandling vid akut sjukdom eller skada

Tredje upplagan : Lund : Studentlitteratur, [2018] - 327 sidor

ISBN:9789144115771 LIBRIS-ID:22515792

[Library search](#)