



Faculty of Health, Science and Technology
Risk Management

Syllabus

Course Approval

The syllabus was approved by the Faculty Board of Health, Science and Technology on 3 September 2014 , and is valid from the Autumn semester of 2014 at Karlstad University.

Course Code: RHAD12

Human Safety I; injury analysis and risk assessment, 7.5 ECTS Credits

(Personssäkerhet I; skadeanalys och riskbedömning, 7.5 Swedish credit points)

Degree Level: Master

Progressive Specialisation: A1N (Second cycle, has only first-cycle course/s as entry requirements)

Language of Instruction

Swedish

Prerequisites

Completed first-cycle courses of at least 120 ECTS or equivalent and upper secondary level Swedish 3 or B and English 6 or A.

Major Field of Study

FHA (Public Health Sciences), RHA (Risk Management), RIS (Societal Risk Management)

Learning Outcomes

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

- give a broad account of injury panorama in society and its development,
- give an account of related concepts, major database sources and classification systems and delimitations, and sociodemographic distribution of injury risks, nationally and internationally,
- choose an epidemiological method and make simple injury epidemiological compilations based on available sources,
- explain how human physiological and psychological qualities put limits to the kind of external strain that humans can endure without serious injury, how these vary with age and sex, and the most important injury mechanisms of serious and fatal injury respectively.

Content and Form of Instruction

The aim of the course is that students develop knowledge of analysis and understanding of problems related to human injury risks in society.

The course deals with the physiological and psychological qualities that put limits to the kind of external strain that humans can endure without serious injury depending on age and gender. This also applies to aspects of minor injury, serious injury or deaths. The area of human safety and personal injuries are identified and treated by the students individually and in group work and seminars.

Risk is initially treated as a concept together with other central concepts such as accident and injury. An overview of the injury panorama in society is given in statistical terms, and current tendencies. Methods of risk

analysis based on the epidemiological method and knowledge of major database sources, classification systems and data collection methods are treated and practised.

The course includes a 5 ECTS cr method component, primarily focussed on methods related to risk analysis, data collection methods, classification systems and database sources. Some application of methods is included.

The course is offered as part-time distance education with two brief periods on campus (Karlstad university) at the beginning and end of the course. On-campus instruction is in the form of lectures, seminars with reports, critical review and discussion. The seminars are part of the assessment and therefore mandatory.

Problem-based learning and the pedagogics of participation characterise the organisation of the course. Students are given the opportunity to develop critical analysis and problem-solving skills through independent literature study and lectures integrated with hand-in assignments and review of fellow-students' work.

Reading List

See separate document.

Examination

Assessment is based on hand-in assignments (individual or in groups), written individual take-home exam, presentations and seminars.

Grades

One of the grades Fail (U), Pass (G), or Distinction (VG) is awarded in the examination of the course.

Quality Assurance

Follow-up relating to learning conditions and goal-fulfilment takes place both during and upon completion of the course in order to ensure continuous improvement. Course evaluation is partly based on student views and experiences obtained in accordance with current regulations and partly on other data and documentation. Students will be informed of the result of the evaluation and of any measures to be taken.

Course Certificate

A course certificate will be provided upon request.

Additional Information

Students who enrolled before 1 July 2007 will complete their studies in accordance with the requirements of the earlier admission. Upon completion students may request degree and course certificates to be issued under the current ordinance if they meet its requirements.

The course RHAD12 cannot be included in the same degree programme as the course FHAD12.

The local regulations for studies at the Bachelor's and Master's levels at Karlstad University stipulate the obligations and rights of students and staff.

Students are required to have access to an Internet connected computer with the capacity specified by the university's IT support.