



Faculty of Health, Science and Technology  
Environmental Science

## Syllabus

### Human Safety I: injury analysis and risk assessment

<b>Course Code:</b>	RHAD12
<b>Course Title:</b>	Human Safety I: injury analysis and risk assessment <i>Personssäkerhet I: skadeanalys och riskbedömning</i>
<b>Credits:</b>	7.5
<b>Degree Level:</b>	Master's level
<b>Progressive Specialisation:</b>	Second cycle, has only first-cycle course/s as entry requirements (A1N)

#### Major Field of Study:

FHA (Public Health Sciences)

RHA (Risk Management)

RIS (Societal Risk Management)

#### Course Approval

The syllabus was approved by the Faculty of Health, Science and Technology 2018-03-08, and is valid from the Autumn semester 2018 at Karlstad University.

#### Prerequisites

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

#### Learning Outcomes

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

- explain the etiology of injuries (medicine-based explanations),
- use population-based epidemiological methods to analyse the distribution of injuries in a defined population,
- explain variations in frequency of injuries between populations with the help of epidemiological concepts and theories,
- identify strengths and weaknesses in available data bases regarding quantification of injury frequency and risk factors,
- discuss the ethical aspects of quantifying injury and disease burden before prioritising prevention efforts.

#### Content

The aim of the course is that students develop the knowledge required to analyse human injury risks. Central concepts and the panorama of injuries are treated in a statistical perspective, along with factors affecting accident and injury risks. Students apply the epidemiological method related to injuries in terms of data collection and analysis methods, classification systems and computer sources. Students

identify and treat the area of injury in the form of an individual project and seminars.

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 and discussion. The seminars are part of the assessment and therefore mandatory.

**Reading List**

See separate document.

**Examination**

Assessment is based on individual hand-in assignments 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**

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

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

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