



# Course Syllabus

**Course title in Swedish:** Hot- och riskhantering

**English title:** Threat and Risk Management

**Course code:** 2MF006 (elective course within study programme), 2FS002 (freestanding course)

**Valid from:** Autumn 2019

**Date of establishment:** This course syllabus was established by the Research and Education Board's Course Syllabus Committee at the Swedish Defence University on 2019-01-28

**Department:** Department of Military Studies

**Subject:** Systems Science for Defence and Security

**Level:** Second cycle

**Scope:** 7.5 higher education credits

## **Prior knowledge requirements and other preconditions for admission to the course**

A minimum of 7.5 hecuds in the field of Systems Science for Defence and Security or Military Studies at second-cycle level.

## **Main field of study**

Systems Science for Defence and Security

## **Gradual specialisation**

A1F

## **Level of specialisation**

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## **Course content and structure**

Risk analysis is a methodological field emerging from civil engineering applications, although it is currently utilised in all sectors of society to support risk management. In relation to antagonistic threats, threat and risk management is a crucial methodological field that provides a basis for decisions on defence and security. This course provides a theoretical foundation for understanding, utilising and adapting threat and risk management methodology.

The course takes its starting point from descriptions of how threat and risk analysis is conducted and discussions on the role of these analyses as an element of risk management. The course therefore cover:

- Risk analysis, including defining scenarios, identifying threats and hazards and estimating risk.
- Risk assessment including decisions regarding which risks can be tolerated and analysis of options (risk control options).

Date  
19.10.2018

- Risk reduction and management, including decision-making, implementation and monitoring.

The focus throughout the course will be on the various types of uncertainty associated with this type of work, and how these uncertainties should influence the work.

The course also addresses understanding and communicating risk as a means for critically reviewing the benefits of implemented assessments.

The course is conducted through lectures, group work, seminars and the submission of an individual written assignment on an applied case. The course is structured in a manner that provides the student with considerable opportunities to plan their studies individually.

### **Intended learning outcomes**

After completing the course, the student is expected to be able to:

- perform a threat and risk analysis in a manner relevant to defence and security organisations;
- propose which decisions should be made based on the performed analyses and how these decisions can be implemented;
- with regard to the performed analyses, discuss identified uncertainties and limitations; and
- based on identified limitations, propose changes in the approach in order to reduce the level of uncertainty in a completed analysis.

### **Assessing knowledge and examination**

The course is examined through a compulsory seminar and a written assignment in which each student will perform an individual threat and risk assessment.

The examiner may decide that supplementary work is required in order for a pass grade to be achieved. Examination papers submitted late will not be graded, unless there are special reasons, which have been approved by the examiner. Supplementary assignments are to be submitted no later than five working days after the notification of results and the supplementary assignment for the examination in question, unless there are special reasons, which have been approved by the examiner.

### **Number of examination opportunities**

There is no limit on the total number of examination opportunities. The total number is restricted to one ordinary examination and two retakes in any two-term period, unless special circumstances exist that are acceptable to the examiner.

### **Grades**

Grades are set according to a three-grade scale: Pass with merit (VG), Pass (G) and Fail (U).

Date  
19.10.2018

A pass (G) requires active participation in the compulsory seminar and a pass (G) for the individual threat and risk assessment.

A pass with merit (VG) requires a pass with merit (VG) for the individual threat and risk assessment in addition to a pass (G) for active participation in the compulsory seminar.

Grading criteria are stated in the course description.

### **Course literature and additional teaching materials**

See Appendix 1.

### **Interim regulation**

When a course is no longer provided or when the content of a course has been significantly altered, the student/participant retains the right to be examined in accordance with this course syllabus once per term during a three-term period.

### **Other**

The course is an elective course in the Senior Officers Programme and the Master's Programme in Defence and Security Systems Development. The course can also be read as a freestanding course.

On the completion of the course, an evaluation will be conducted under the auspices of the course director, which will form the basis for any changes to the course.

The course will be held in English. If no international students are admitted, parts of the course may be held in Swedish.