



Course Syllabus

Course title in Swedish: Användbarhet och design av interaktiva system

English title: Usability and Design of Interactive Systems

Course code:	2MF014
Valid from:	Autumn term 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 2019-06-17
Department:	Department of Military Studies
Subject:	Command and Control Science
Level:	Second cycle
Omfattning:	4,5 higher education credits

Prior knowledge requirements and other preconditions for admission to the course

Admitted to the Master's Programme in Defence and Security Systems Development.

Main field of study

Systems Science for Defence and Security

Gradual specialisation

A1N second cycle, with prior knowledge requirements consisting solely of first cycle course(s).

Level of specialisation

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Course content and structure

The course "Usability and Design of Interactive Systems" (4,5 h.e.c.) focuses on methods and models within system development with emphasis on the user-centric perspective in an organization active in the context of defence and security. With a theoretic outset mainly from human-computer interaction/human factors, the student gets the opportunity to apply the theoretic knowledge in a minor design task.

Teaching will be conducted in the form of lectures, independent study, seminars

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and laboratory/group work.

Intended learning outcomes

On completing the course, the student shall be able to:

- state central theories and methods within user-centric design
- apply the theories and methods introduced during the course in order to perform a minor design task
- critically examine and appraise design proposals based on knowledge from the theoretic elements of the course.

Assessing knowledge and examination

Examination will be based on an individual written assignment and an oral presentation.

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.

The examiner may decide on alternative forms of examination for a student, if that student has an approval from the Swedish Defence University concerning special pedagogical support due to disability.

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).

A pass (G) requires a pass for the written assignment and the oral presentation.

A pass with merit (VG) requires a pass with merit for the written assignment and the oral presentation.

Grading criteria are stated in the course description.

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Course literature and additional teaching materials

See Appendix.

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 held as a compulsory element of the Master's Programme in Defence and Security Systems Development.

The course may be held within the framework of contract education.

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.