Human Factors

Single subject and programme course

6 credits

Human Factors

769A09

Valid from: 2018 Autumn semester

Determined by
Course and Programme Syllabus Board
at the Faculty of Arts and Sciences

Date determined
2018-04-23

Main field of study
Cognitive Science

Course level
Second cycle

Advancement level
A1N

Course offered for
- Master Programme in Cognitive Science

Specific information
The course is disused. Offered for the last time Autumn semester 2021. Replaced by 769A19.

Examination is offered on a total of at least five occasions for each examination component.

These occasions should be distributed across at least two semesters following the final ordinary course instance. These can be found in the course's last course room in Lisam.

Contact the department to access the course room.

Entry requirements

- Bachelor's Degree in Cognitive Science equivalent to a Swedish Kandidatexamen
  or
  Bachelor's Degree in Computer Science equivalent to a Swedish Kandidatexamen
  and
  30 ECTS credits in one of the following subject areas
  - Psychology
  - Linguistics
  - Philosophy
  - Neuroscience
  - Anthropology
  or
  Bachelor's Degree in Psychology of Neuroscience equivalent to a Swedish Kandidatexamen
  30 ECTS credits passed in Computer Science

- English and Swedish corresponding to the level of English and Swedish in Swedish upper secondary education (Engelska 6 and Svenska 3)

Intended learning outcomes

After completion of the course, the student should at an advanced level be able to:

- account for theories and models within the disciplines of Human Factors and Resilience Engineering
- apply methods to analyze human factors in complex systems
- identify, delimit, and analyze a man-machine system from a Human Factors or Resilience Engineering perspective

Course content

The following topics are studied in the course:

- Central theories and models within the Human Factors and Resilience Engineering disciplines that can be used to describe, understand, and analyze human factors in complex systems
- Central concepts related to those disciplines
- Methods to analyze and describe complex systems and the role of humans within such systems
- Current research within the Human Factors discipline.

Teaching and working methods

Teaching methods are lectures, practical exercises, and seminars. The student is expected to read and study independently, either individually or in groups.

Examination

The course is examined through active participation during seminars, completion of practical exercises, and an individual project that includes both written and oral components.

Detailed information can be found in the study guidelines.

If the LiU coordinator for students with disabilities has granted a student the right to an adapted examination for a written examination in an examination hall, the student has the right to it. If the coordinator has instead recommended for the student an adapted examination or alternative form of examination, the examiner may grant this if the examiner assesses that it is possible, based on consideration of the course objectives.

Students failing an exam covering either the entire course or part of the course twice are entitled to have a new examiner appointed for the reexamination.

Students who have passed an examination may not retake it in order to improve their grades.

Grades

Three-grade scale, U, G, VG

Other information

Planning and implementation of a course must take its starting point in the wording of the syllabus. The course evaluation included in each course must therefore take up the question how well the course agrees with the syllabus.

The course is carried out in such a way that both men´s and women´s experience and knowledge is made visible and developed.

Department

Institutionen för datavetenskap