DA1600 Writing in the Engineering Profession 4.5 credits

Ingenjörsmässigt skrivande

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for DA1600 valid from Spring 2019

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After completion of the course, the student should be able to:

- distinguish between various text types relevant to the computer engineer, and, on the basis of these, account for how different modes of expression influence the audience's understanding of the contents
- use the writing process as well as some common tools for reference management and text production to develop his/her own writing and adapt it to situation and text type
- apply a basic understanding of writing in the engineering profession in the production of different scientific texts, popular science texts, and other types of text relevant to the computer engineer
- critically review texts written by other students

in order to

- gain an understanding of his/her own writing process and ability to develop his/her writing
- be well prepared for written assignments in future courses and in future professional life.

Course contents

- Different text types and their distinctive features
- Tools for information retrieval, reference management and text production, e.g., LaTeX
- The writing process, its stages and approaches

Disposition

The course introduces writing tasks which the engineering student may encounter during and after the study programme, and aims to provide an increased understanding of the variety of texts written in computer engineering.

Through exercises and in seminars the student is given the opportunity to study, discuss, review and produce different text types such as scientific reports and articles, popular science texts, manuals, documentation and project descriptions. The exercises give the student a good understanding of the writing process, which also provides an opportunity for reflection on the development of his/her own writing. The course focuses specifically on how the contents can be, and should be, adapted depending on text type and target group. Differences in structure, form, language and style are highlighted from the perspective of target group and situation, and the student continuously produces short texts of different kinds in which these differences are emphasised. The writing process also includes practice in critically reviewing texts written by others, as well as revising one's own texts after the review.

The ability to critically review texts written by others is practiced through, for example, peer reviews in smaller student groups with a focus on reviewing and revising one's own texts and those written by others

Course literature

The reading list will be announced before the start of the course.

The recommended reference literature and electronic resources will be announced in the course information or in a similar way.

Examination

- INL1 - Assignment, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- ÖVNA - Exercises, 2.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Under certain circumstances, other examination forms may be used.

In this course, the code of honor of the CSC School is applied; see: www.kth.se/csc/student/hederskodex

Other requirements for final grade

All examination parts passed.

Attendance in 80% the of the seminars

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.