



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### **DIT197 Communicating computer science, 7.5 credits**

Förmedla datavetenskap, 7,5 högskolepoäng

*First Cycle*

---

#### **Confirmation**

This course syllabus was confirmed by Department of Computer Science and Engineering on 2021-11-15 to be valid from 2023-01-16, spring semester of 2023.

*Field of education:* Science 100%

*Department:* Department of Computer Science and Engineering

#### **Position in the educational system**

The course is obligatory in the Computer science bachelor's programme.

The course can be part of the following programme: 1) Computer Science, Bachelor's Programme (NICOS)

*Main field of studies*

Computer Science

*Specialization*

G1F, First cycle, has less than 60 credits in first-cycle course/s as entry requirements

#### **Entry requirements**

To be eligible for the course the student should have successfully completed courses for 45 hp in the area of Computer Science.

#### **Learning outcomes**

On successful completion of the course the student will be able to:

*Knowledge and understanding*

- Identify what constitutes good and ethical scientific writing and presentation in computer science;

- Summarise and highlight the main ideas in scientific texts in computer science.

#### *Competence and skills*

- Efficiently read scientific text in computer science;
- Write clear, concise and ethical scientific texts in computer science;
- Communicate scientific results in computer science in a clear way to an audience with diverse knowledge background;
- Use correct English for scientific writing and oral presentations.

#### *Judgement and approach*

- Critically review one's own scientific texts and those of peers;
- Compare and analyse scientific texts in computer science;
- Reflect on ethical aspects in scientific writing.

### **Course content**

A good computer scientist needs to be able to effectively convey ideas and technical concepts from computer science to other people, both using oral presentations as well as written presentations.

In this course, the student will study existing oral presentations as well as written texts and learn about presentation and writing techniques, including both good and bad practices. The student's oral presentations will be recorded on video as part of an obligatory reflection assignment that enables improvement of their presentation technique. These videos will only be available to the student in question and will not be archived.

By reviewing scientific texts, the student will train to read papers, identify good and bad writing techniques, and improve their own writing skills. The course will also treat ethical conduct in scientific writing.

#### *Sub-courses*

**1. Assignments** (*Inlämningsuppgifter*), 7.5 credits

Grading scale: Pass with distinction (5), Pass with credit (4), Pass (3) and Fail (U)

### **Form of teaching**

Lectures, seminars, and group meetings.

*Language of instruction:* English

### **Assessment**

The course assessment consists of one module, with three main parts: (1) oral presentations, (2) writing of scientific texts, and (3) performing reviews. Some of these will be done individually and some in groups of normally two.

Participation in group meetings and lectures is obligatory.

If a student, who has failed the same examined component twice, wishes to change examiner before the next examination, a written application shall be sent to the department responsible for the course and shall be granted unless there are special reasons to the contrary (Chapter 6, Section 22 of Higher Education Ordinance).

In cases where a course has been discontinued or has undergone major changes, the student shall normally be guaranteed at least three examination occasions (including the ordinary examination) during a period of at least one year from the last time the course was given.

### **Grades**

The grading scale comprises: Pass with distinction (5), Pass with credit (4), Pass (3) and Fail (U).

To obtain the grade Pass (3) in the course students should give clear and structured presentations of ideas and technical concepts, and should use clear and well-written scientific English to correctly summarise, explain, critically analyse, and write computer science texts. In addition the student should have attended the group meetings and lectures. To obtain a higher grade (4 or 5) in the course students need to perform significantly above the minimum requirements for grade 3. Examples for this are more elaborate argumentation and explanations in the oral and written presentations, deeper critical analyses and reflections in the reviews, and higher quality in the writing.

### **Course evaluation**

The course is evaluated through meetings both during and after the course between teachers and student representatives. Further, an anonymous questionnaire is used to ensure written information. The outcome of the evaluations serves to improve the course by indicating which parts could be added, improved, changed or removed.

### **Additional information**

Course literature to be announced 8 weeks prior to the start of the course.

The course replaces the course DIT195, 7.5 credits. The course cannot be included in a degree which contains DIT195. Neither can the course be included in a degree which is based on another degree in which the course DIT195 is included.