ID1018 Programming I – Course PM

Note: this document may be revised as the course runs. The current version 2023-10-30.

Lectures and exercises for TCOMK take place in room Ka-204. Consult the central schedule for details.

Canvas: `https://canvas.kth.se/courses/42984`

Lectures

Lectures introduce concepts and provide illustrations through examples. There is room for questions and clarifications. Students should prepare for lectures by reading the corresponding course literature.

The document “Detailed plan” (in Canvas, under “Introduction”) shows what subjects are presented in the course and in what order. It gives literature recommendations and distributes the material over the seven weeks of the course.

Computer labs

During the course, students solve and present a number of programming assignments. To this end, several computer labs are scheduled in computer rooms Ka-209 and Ka-309. Each student receives a personal lab schedule with access to one computer lab each week.

A detailed plan for computer labs is in the document “Detailed Plan” (in Canvas, under “Introduction”).

Computer exercises

The course contains two computer exercises: Exercise 1 and Exercise 2 (Canvas, ”Start programming”). The purpose of these exercises is to get the student started with programming. These exercises are not examined.

Programming assignments

The student must complete three programming assignments during the course (Canvas, “Programming Assignments”). The assignments illuminate different aspects of basic computer programming and offer training and the development of skills.

The student shall solve all programming assignments and present them during the run of the course. The assignments may also be presented later, at a time and place announced in Canvas. The student presents one or more solutions in a computer lab.

Examination

Examination – closed exam

TEN1 A-F 3.0 hp. A traditional, closed, and written exam held on the School premises at the end of the course. There is a re-exam in the spring.

Examination – programming assignments

LABB Programming assignments, graded P/F. For a grade of P all assignments are required.

Course grade

The course grade is determined when both the exam and the programming assignments are complete. The course grade is the grade given on the exam.

Transition rules for re-registered students

Students with a first-time registration on the course HT21 or earlier, may be allowed to complete the programming assignments according to the 5+4 assignment structure given at the time. Please consult the course plan for details: https://www.kth.se/student/kurser/kurs/ID1018?l=en

Grade increment (plussning)

Students who already have a passing course grade and would like to attempt to increase it can do so if the conditions at a particular exam or re-exam are favourable. Contact the examiner (fki@kth.se) for more information.

Course literature - English

Cay Horstmann, “Big Java Late Objects", John Wiley & Sons, Inc, 2013,ISBN: 978-1-118-08788-6

Fredrik Kilander, Lecture notes, (Canvas, “Introduction”, lectureNotesTCOMK.pdf)

Course literature - Swedish

Fadil Galjic, ”Programmeringsprinciper i Java", Studentlitteratur, ISBN: 978-91-44-09442-7

Fadil Galjic, ”Programmeringsprinciper i Java, Exempel och övningar", Studentlitteratur, ISBN: 978-91-44-09440-3

Examiner, course directors, and teachers

Fredrik Kilander, examiner, course director, teacher (TCOMK), 08-790 40 82, fki@kth.se

Fadil Galjic, course director, teacher, 08-790 44 76, fadil@kth.se

Teaching assistants

Teaching assistants are available in the computer labs for help and advice. Teaching assistants cannot grade your programming assignments, but may suggest that it needs more work, or seems ready for examination.

The teaching assistants are:

Jonathan Berg Josefsson, Youseff Moukhtar, Shashwata Samadder, Anton Litthult, Dana Ghafour Fatulla, Saina Shamshirdar, Abhinav Kalra, Ruth Jenbere Shewa, Razan Yakoub, and Seema Fatima Bashir.

The importance of passing ID1018 Programming I

At the time of this writing, ID1018 is a special prerequisite to more than ten courses at the EECS School. For students in the TCOMK programme, seven mandatory courses require it. This makes it a critical course in many respects, and there is every reason to ensure a successful completion.