ID1018 Programming I – HT21 – TCOMK – Course PM

Note: this document may be revised as the course runs. The current version 2021-10-26.

Lectures and exercises

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

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

Course literature reading directions and lecture notes are available in Canvas:
`https://canvas.kth.se/courses/28842`

Computer labs

During the course, students solve and present programming assignments. To this end, a number of computer labs are scheduled. Computer labs are available as digital sessions and physical seats in room Ka-209. Each student receives a personal lab schedule with access to one computer lab each week.

Computer exercises

The course contains two computer lab 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 5-9 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.

There are five (5) mandatory programming assignments and four (4) optional. The mandatory assignments are named OU1 – OU5. The optional assignments are named EU1 – EU4. The student is examined on the assignments during the computer labs as the course runs. Students that fail to complete all mandatory assignments during the course will have an opportunity to be re-examined later (announced in the spring).

See the detailed plan in Canvas (https://canvas.kth.se/courses/19967, ”Introduction”, ”Detailed plan”).

Three teachers provide help and examination of programming assignments:

- Fadil Galjic
- Fredrik Kilander
- Nikos Dimitrakas

Teaching assistants provide help but do not examine:

- Rodothea Myrsini Tsoupidi
- Vidhu Aggarwal

- Amir Safizadeh
- Mohammadhossein Didehbanmehr
- Akhmed Al-Saied

The document (Canvas, ”Introduction”, ”Teacher schedule”) specifies their availability.

To receive help or present a solution via Zoom, students queue themselves using https://queue.csc.kth.se/Queue/ID1018

At the queue, the student should enter their KTH email, the assignment number, and “help” or “examine”. The Zoom client program should be running. Teachers and TAs respond by inviting the student to a Zoom meeting. The student then shares the screen in Zoom to show their work.

Examination

Examination – closed exam

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

Examination – programming assignments

LAB1 A-F 4.5 hp. Programming assignments. Five mandatory assignments (OU1-OU5) with the grade PASS are required for a grade of E. Four optional assignments (EU1-EU4) can be presented (in any order) for grades D-A.

Course grade

The course grade is determined as the average of LAB1 and TEN1, rounded up (in the student’s favour).

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 director, 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

Nikos Dimitrakas, teacher, 08-16 12 95, 070-42 95 348, nikosd@kth.se

The importance of passing ID1018 Programming I

At the time of this writing, ID1018 is a special prerequisite to 21 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.