

# Programmering A

## 1st Weekly Note (E10, Week 35)

### **Format**

The course is taught by Peter Schneider-Kamp. Lectures will usually be on Tuesday mornings 10:15–12 and on Thursday shortly after sunrise 8:15–10.

There are three initial groups of students: matematik (S1), matematik-økonomi (M1), and datalogi (S7). These groups will be together for the exercises and the labs which will be taught by Felix Palludan Hargreaves, Stine Back Larsen, and Morten Albeck Nielsen, respectively.

For a precise schedule, please see the web site of the course. As we will sometimes mix or swap discussion sections and exercises, please always carefully read the weekly notes such that you will end up in the right room. Note in particular that labs will usually be held in IMADA's "Terminalrum".

The weekly notes and other information about the course are available from:

<http://www.imada.sdu.dk/~petersk/DM502/>

You can also access the course home page through the e-learning system:

<http://e-learn.sdu.dk/>

### **Preparation**

Only this first weekly note will be distributed in paper. From then on, you will be responsible for finding all weekly notes (either in Blackboard or on the course home page) yourself. From Thursday on, please ensure that you have read the appropriate sections in the textbook or notes before coming to class and, if possible, bring your textbook and notes with you. Preparing for discussion sections and labs is important, too.

### **Textbook**

John Lewis; William Loftus: *Java Software Solutions: Foundations of Program Design*. 6th edition, Pearson Education, 2009.

The textbook will be supplemented with notes available from the menu item "Course Documents" in the e-learning system.

## **Evaluation**

Your progress in the material of the course is evaluated by a practical project. This project will consist of two parts. The first part will be probably handed out in week 37. Both parts will require you to model a problem, implement a program that solves the problem, and test your implementation.

## **Personal Contact**

Peter Schneider-Kamp has no fixed office hours, but his door is always open for you (if it should be closed, knock loudly and wait a few seconds before trying to enter). If you like, you can also schedule an appointment by email, jabber or phone (see the course home page for contact details).

## **Reading for Week 35**

Sections 1.4, 2.1–2.6, 5.1, 5.2, 5.5, 5.7, 5.8 in “Java Software Solutions”; Sections 1 and 2 in “Noter og opgaver”; Note “De første øvelser”.  
Look at the classes “String” and “Scanner” in the Java class library: (<http://download-llnw.oracle.com/javase/6/docs/api/>).

## **Lecture: Tuesday, August 31, 10-12 (U140)**

We start by an introduction of the course, of programming in general, and of the programming language Java in particular. We will interactively write and understand simple programs in Java.

## **Lecture: Thursday, September 2, 8-10 (U140)**

We continue with a practical introduction into Java programming and start to formally define the concepts used.

## **Lab: see schedule for time and room**

The teaching assistants will introduce themselves. After a short introduction to this courses’ practical parts, the group will move to IMADA’s terminalrum to get first hands-on experience with the Linux systems and developing Java programs on them. Most exercises require that you actually sit down and try to write, run, and debug a Java program. Please keep in mind that programming cannot be learned by reading a book and attending classes. **The only way to learn, is to do it!**