

# Object-Oriented Programming

## 2nd Weekly Note (E12, Week 46)

### **Project - Part 1**

The first part of the project starts with Wednesday's lecture, which will feature a short introduction. For more information, see the course home page:

<http://imada.sdu.dk/~petersk/DM537/#project>

### **Reading for Week 46**

Sections 2.4.4, 2.5.6–2.5.7, 3.3, 3.4.1–3.4.3, 3.7.1–3.7.2, 4.2.4, 4.3.3, 4.3.5–4.3.6, 4.5, 4.7, 5.1, 5.2.1–5.2.2, 5.3, 5.5, 5.6, 5.7.1, 5.7.4–5.7.5 of “Introduction to Programming Using Java”

### **Lecture: Monday, November 12, 12-14 (U91)**

In the second lecture, we will continue with our introduction to the imperative features of Java including conditional execution, loops, type casts, and exceptions. Then we will start to learn how to express more advanced constructs of imperative object-oriented programming languages in Java. I.e., we will learn about for-each loops, classes, objects, and methods.

### **Lecture: Wednesday, November 14, 12-14 (U20)**

In the third lecture, we will continue to learn about object-oriented features. In particular we will look at advanced object-oriented features such as inheritance, abstract classes, and interfaces.

### **Lab: see detailed schedule on course home page**

Solve Exercises 3.5, 4.1–4.4 from the course book and implement the Quizzes 8–10 for Chapter 4. Then solve Exercises 5.2, 5.1, 5.3. Then implement Quizzes 7, 11, and 12. If you are fast, solve also Exercises 5.4–5.6.