

## DM538 – 2. Obligatory Assignment

### Exercises

Solve the following exercises.

- January 2011: Problems 2, 3, and 4

Note that your solutions to the exercises must be written in **English**.

### Submission

No later than **Thursday November 29 at 4:00 pm** your solution must be submitted as

- **one pdf-file** via Blackboard (other formats than pdf will not be accepted) **and**
- a **print-out** of the pdf-file.

The front page must contain your **CPR no.**

The submission via Blackboard is done in the following way:

- Choose “DM538, Algoritmer og sandsynlighed, efterår 12”.
- Click on “SDU Assignment” (in the menu in the red box).
- Fill in the form and attach your pdf-file.
- Click on “submit”.
- Blackboard will send you an acknowledgment by email.

### Rules

This is the second of two obligatory assignments in the course. **To participate in the written exam you must pass both assignments.**

As the assignments are a part of the exam, you are **not allowed to work in groups**. It is OK to discuss the exercises on an abstract level. But you are not allowed to discuss the exercises in detail, and you are not allowed to sit together while writing down solutions. And, of course, you are not allowed to show your solutions to each other.

Your solution does not have to be 100% correct to be approved. On the other hand, it must be clear that you made a fair try and you should at least describe relevant ideas and partial solutions. For each exercise, make sure to explain your solution. You should **argue for each step in the solution**.

In the rare case that a solution is not good enough for passing, but could become good enough with very little additional work, we may give the opportunity of handing in a new solution, with a deadline of a few days. (This does not happen every year.)