Institut for Matematik og Datalogi
Syddansk Universitet

January 30, 2012
JFB

DM508 – Algorithms and Complexity – 2012
Lecture 2

Lecture, January 30

We began with an introduction to the course. Lower bounds from section 2.4 of the first part of the notes were discussed (part of this is also in section 8.1 of the textbook).

Lecture, February 1

We will cover sections 3.1, 3.2 and 3.3 of the DM508 notes, plus median finding from chapter 9 (section 9.3) in the textbook.

Lecture, February 6

We will cover the lower bound on median finding from section 3.5 in the DM508 notes. We will begin on NP-completeness, from chapter 34 in the textbook and the section by Papadimitriou and Steiglitz from the course notes.

Problems to be discussed on February 8

Do problems:

1. 9.3.1, 9.3.2, 9.3-3, 9.3.4, 9.3-7, 9.3-9,
2. 34.1-3, 34.1-5, 34.2-3.