Institut for Matematik og Datalogi
Syddansk Universitet

September 13, 2005
JFB

Introduction to Computer Science
E05 – Lecture 4

Lecture, September 12

We finished chapters 1 and 2. We began on chapter 3.

Lecture, September 15

We will cover through section 3.4 of chapter 3 and begin on chapter 5. This lecture will be in U6.

Lecture, September 19

During the first hour, Peter Kornerup will lecture on networks from chapter 4. During the second hour, I will lecture on algorithms from chapter 5, probably cover through section 5.3. Monday lectures starting on September 19 will be 10:15–12, while discussion sections will be 8:15–10.

Discussion section: week 38

Discuss the following problems from the textbook in groups of three or four.

1. Page 61: Problem 1.
2. Page 65: Problems 1, 2, 5, 6.
3. Page 122: Problem 3.
4. Page 126–127: Problems 1, 2, 4.
5. Page 129–131: Problems 10, 17, 18 (you should "refer to Problem 17", rather than 13), 26, 31.

6. Pages 132: 1, 2, 3.
7. All the questions on page 164 of the textbook.

Assignment due 8:15, September 26

Late assignments will not be accepted. Working together is not allowed. (You may write this either in English or Danish, but write clearly if you do it by hand.) Where relevant, show how you obtained your answers.

1. Decode the following message using the error-correcting code presented in Figure 1.30 in the textbook:

   111001 000100 110011 100110

2. Do problem 30 on page 131.
3. Do problem 36 on page 131.