

## On-Line Algorithms – F03 – Note 7

### **Lecture, March 14**

Kim Skak Larsen covered section 4.4. We also covered through section 6.4.1 of chapter 6 and defined the algorithm  $\text{PERM}_\pi$  of section 6.4.2.

### **Lecture, March 21**

We will finish chapter 6, cover chapter 7 quickly and begin on chapter 8.

### **Lecture, March 28**

We will finish chapter 8 and possibly begin on chapter 9.

### **Problems for Wednesday, March 26**

1. Do Exercise 6.5.
2. Do Exercise 6.6.
3. Do Exercise 7.3. See page 122 for the coupon collector's problem. Assume that there are  $k + 1$  pages in all.
4. If we get this far, work out Example 8.5, and apply Yao's principle correctly to Example 8.4 in the textbook, using the distribution given there. You will not get as good a result for Example 8.4 as for Example 8.5.