CS-452, Design and Analysis of Algorithms; 
CS-552, Applied Complexity Theory 
Spring 2005, Sections 1 and 2

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NOTE: Unless stated otherwise, all assigned problems come from the course textbook (Anany Levitin’s “The Design and Analysis of Algorithms”).

Assignment 1: 
Read in Levitin’s chapter 1: Sections 1.1 and 1.2 are due 13 Jan 2005, section 1.3 is due 18 Jan 2005, and section 1.4 is due 20 Jan 2005. Section 1.1, exercises 2, 3a or 3b, 4, 6, 7, and 8a. Due at the beginning of class, 20 Jan 2005.

Assignment 2: 
Read in Levitin’s chapter 2: Section 2.1 is due 27 Jan 2005. Section 1.2, exercises 3, 4, 7, and 9. For exercise 7c, write up the algorithm in pseudocode. Due at the beginning of class, 27 Jan 2005.

Assignment 3: 
Read in Levitin’s chapter 2: Section 2.2 is due 01 Feb 2005, and section 2.3 is due 03 Feb 2005. Section 1.3, exercises 1, 3, 4, and 7. Section 1.4, exercises 1, 2, 3, 9a, and 9b. Due 01 Feb 2005, at the beginning of class.
Assignment 4:
Read in Levitin’s chapter 2: Section 2.4 is due 10 Feb 2005.
Section 2.1, exercises 1, 3, 4, 5b & c, and 7 through 10.
Section 2.2, exercises 2, 5, 6b, and 8.
Section 2.3, exercises 1, 4, 5, and 6.
Exercises are due 10 Feb 2005, at the beginning of class.

Assignment 5:
Read in Levitin’s chapter 2 and Appendix B: Section 2.5 and Appendix B pages 417-422 only, are due 17 Feb 2005.
Section 1.4, exercises to be assigned.