Topics that will be covered from the textbook

Textbook: F.T.Leighton. "Introduction to Parallel Algorithms and Architectures".

(Sections) indicates reading of sections not covered in class but possibly covered in problem sets. [Sections] indicate optional suggested reading. Page numbers in parentheses indicate the boundaries within a section (eg 1.7.1 (155-162) means that read only pages 155-162 of section 1.7.1).

Chapter 1

1.1.2, 1.9.1

1.7 (154-155), 1.7.1 (155-162), 1.7.2 (162-middle 166), Lemma 1.6,

1.7.3 (178-180, ignore analysis of algorithm), 1.7.6 (197-199)

Chapter 3

3.1, 3.1.1, 3.1.2, 3.1.3.

3.2, 3.2.1, (3.2.4), [Theorem 3.14].

3.3, 3.3.1, (3.3.2), (3.3.4),

3.4 (511-513), 3.4.1 (513-515), 3.4.2 (515-521), 3.4.3 (524-539),

3.4.4 (539-546), Thm 3.26 (statement only), Cor. 3.27 (statement only),

3.4.4 (560-561), 3.4.5 (568-570), Thm 3.34 and Thm 3.35 (statements only)

3.5, 3.5.1.

3.6 (697-698), 3.6.1, 3.6.2

3.7, 3.7.1, 3.7.2, 3.7.3, 3.7.4.

(3.8), (3.8.1), (3.8.2).