

Cormen:

Chapter 1

(Introduction)

Chapter 2

(Insertion sort and merge sort [Selection sort given as assignment] detailed analysis and proof of correctness using loop invariant)

Chapter 3 (3.1 and 3.2 [Big O, Big Omega, Big theeta only])

(Asymptotic Notations overview and usage, solving asymptotic notations for c and n)

Chapter 4 (4.3, 4.4, 4.5)

[Solving Recurrences (substitution (induction), recurrence tree, master theorem)]

Anany:

Chapter 1 (1.1, 1.2, 1.3 & 1.4 optional)

[Introduction]

Chapter 2 (2.1, 2.2, 2.3, 2.4)

[Analysis Frame work and analysis of recursive and iterative algorithms using basic operation]

Chapter 3 (3.1)

[Selection and Bubble sort] **for ref on basic op*

Chapter 4 (4.1)

[Insertion Sort] **for ref on basic op*

Chapter 5 (5.1)

[Meger Sort] **for ref on basic op*