

FIT2100 Semester 2 2018

Operating Systems: Internals and Design Principles by William Stallings (9th or 8th Edition)

Chapters Covered	Sections Covered
1: Computer System Overview	Sections 1.1 through 1.6 (1.7 and 1.8 as reading exercise)
2: Operating System Overview	Sections 2.1, 2.2, 2.3, first part of 2.4 (2.8 and 2.9 as reading exercise)
3: Process Description and Control	Sections 3.1 through 3.4 (3.6 as reading exercise)
4: Threads	Sections 4.1 and 4.2 (4.6 as reading exercise)
5: Mutual Exclusion and Synchronisation	9th Ed: Sections 5.2 through 5.4, 5.6 (5.7 as reading exercise) 8th Ed: Sections 5.1 through 5.3, 5.5 (5.6 as reading exercise)
6: Deadlock and Starvation	Sections 6.1 through 6.4, 6.6 (6.7 and 6.8 as reading exercise)
7: Memory Management	Sections 7.1 through 7.4
8: Virtual Memory	Sections 8.1 and 8.2 (8.3 and 8.4 as reading exercise)
9: Uniprocessor Scheduling	Sections 9.1 and 9.2 (9.3 as reading exercise)
11: I/O Management	Sections 11.1 through 11.5 (11.8 and 11.9 as reading exercise)
12: File Management	Sections 12.1, 12.2, 12.4 through 12.7 (12.8 and 12.9 as reading exercise)
15: Operating System Security	Sections 15.1 through 15.4 (15.5 as reading exercise)

(Revised on 28 August 2018)