

FIT2100 Semester 2 2017

Operating Systems: Internals and Design Principles by William Stallings
(to be updated during the semester)

Chapters Covered	Sections Covered
1: Computer System Overview	All sections
2: Operating System Overview	Sections 2.1, 2.2, 2.3, first part of 2.4 and 2.8
3: Process Description and Control	Sections 3.1 thorough 3.5, 3.6 (8 th Ed), 3.7 (7 th Ed)
4: Threads	Sections 4.1 and 4.2, first part of 4.4, and 4.6
5: Mutual Exclusion and Synchronisation	Sections 5.1 through 5.3 and 5.6 (as reading exercise)
6: Deadlock and Starvation	Sections 6.1 through 6.5 with 6.6 and 6.7 (as reading exercise)
7: Memory Management	Sections 7.1 through 7.4
8: Virtual Memory	Sections 8.1, 8.2, and 8.3
9: Uniprocessor Scheduling	Sections 9.1, 9.2 and 9.3
11: I/O Management	Sections 11.1 through 11.5, 11.7, and 11.8
12: File Management	Sections 12.1, 12.7, and 12.9
15: Operating System Security	Sections 15.1 through 15.5 (8 th Ed)