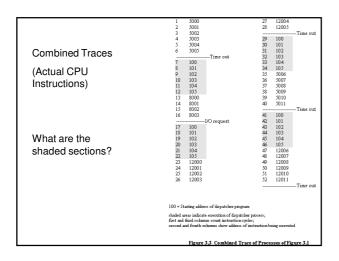
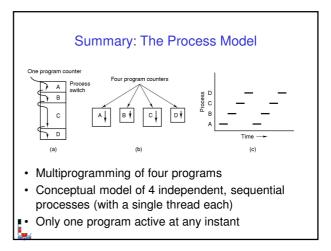
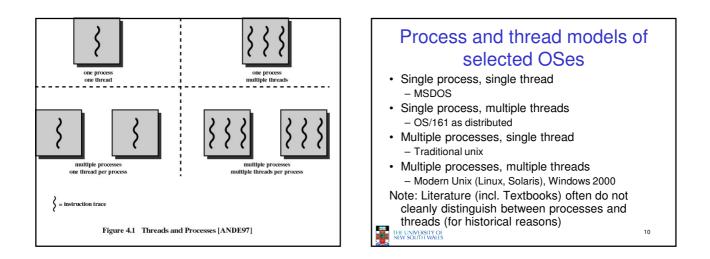
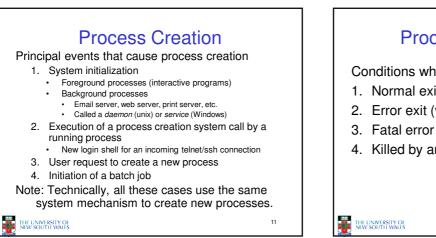


| Logical E | ecution Trace | | |
|---|--------------------------|------------------------|--|
| 5000 | 8000 | 12000 | |
| 5000 | 8001 | 12000 | |
| 5002 | 8002 | 12002 | |
| 5002 | 8003 | 12002 | |
| 5004 | | 12004 | |
| 5005 | | 12005 | |
| 5006 | | 12006 | |
| 5007 | | 12007 | |
| 5008 | | 12008 | |
| 5009 | | 12009 | |
| 5010 | | 12010 | |
| 5011 | | 12011 | |
| (a) Trace of Process A | (b) Trace of Process B | (c) Trace of Process C | |
| 5000 = Starting address of p 8000 = Starting address of p 12000 = Starting address of | rogram of Process B | | |
| Figure 3 | 2 Traces of Processes of | Figure 3.1 | |

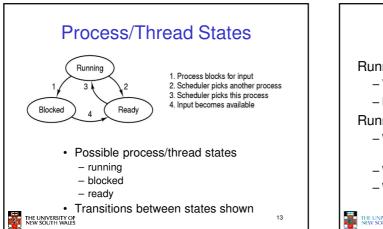


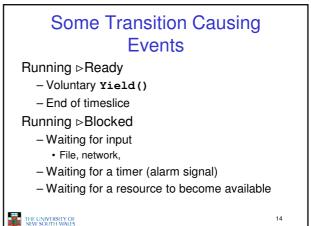


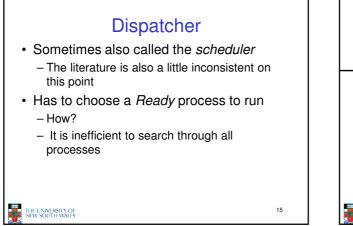


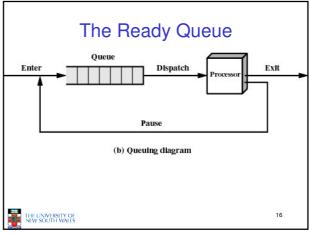


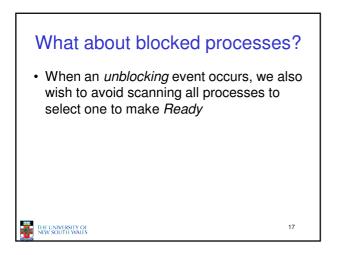
Process Termination
Conditions which terminate processes
1. Normal exit (voluntary)
2. Error exit (voluntary)
3. Fatal error (involuntary)
4. Killed by another process (involuntary)

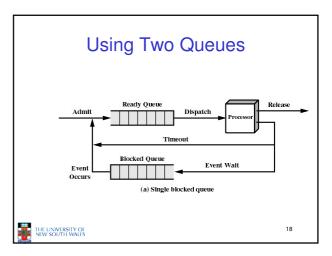


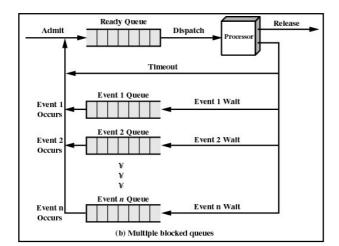


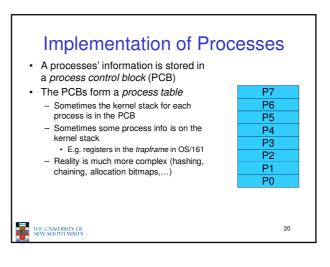


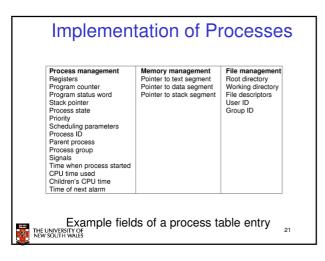


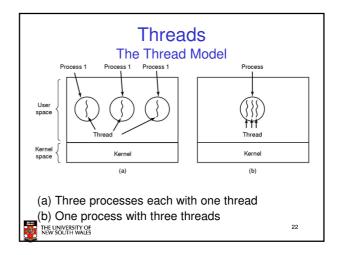


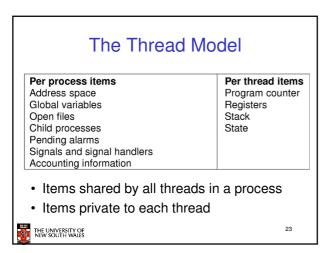


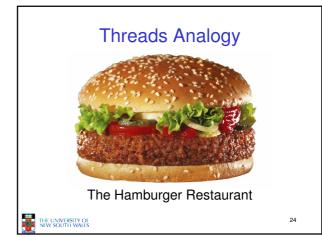


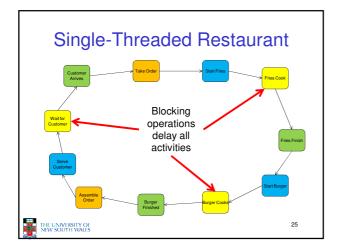


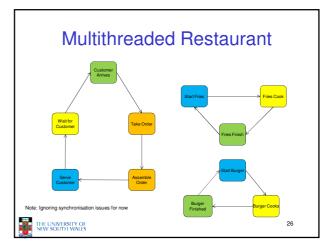


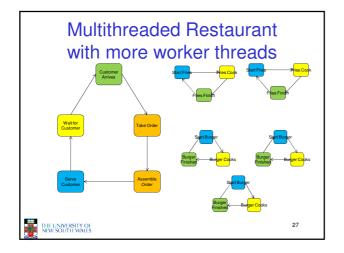


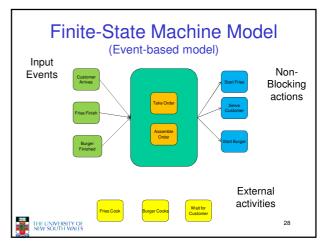


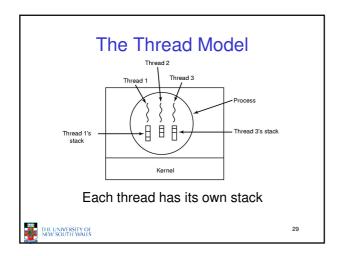




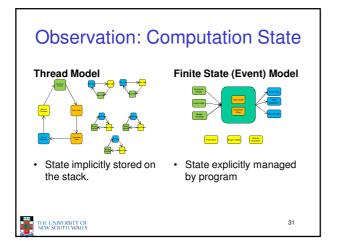


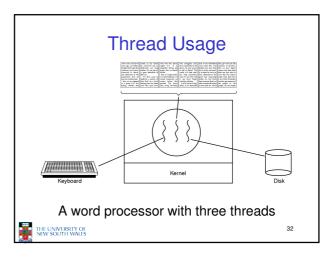


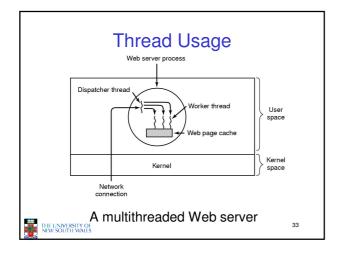


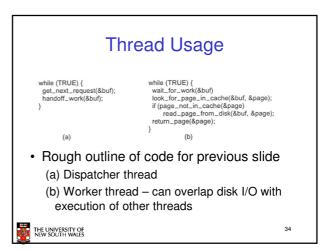












| Thi | read Usage | | | | |
|--------------------------------------|---|--|--|--|--|
| Model | Characteristics | | | | |
| Threads | Parallelism, blocking system calls | | | | |
| Single-threaded process | No parallelism, blocking system calls | | | | |
| Finite-state machine | Parallelism, nonblocking system calls, interrupts | | | | |
| Three ways to construct a server | | | | | |
| THE UNIVERSITY OF NEW SOUTH WALES | THE UNIVERSITY OF 35 NEW SOUTH WALES | | | | |

