

CSGE602055 Operating Systems

CSF2600505 Sistem Operasi

Week 08

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Agenda

- 1 Start
- 2 Agenda
- 3 Scheduling
- 4 Sockets
- 5 Lab
- 6 The End

Week 08: Scheduling

- Reference: (OSCE2e ch6) (UCB 9/10) (UDA P3L1) (OLD 05)
- Scheduling
 - Basic Concepts
 - **WARNING:** It's just a BURST
 - IO Burst
 - CPU Burst
 - CPU Burst vs. Freq (OLD)
 - Utilization, throughput, {turnaround, waiting, response} time.
 - (Burst) Algorithm
 - FCFS
 - SJF
 - RR
 - Priority
 - Multilevel Queue
 - Thread
 - MultiCore/ MultiProcessor/ MultiThread
 - affinity
 - load balancing
 - Soft/ Hard Real Time

- Sockets

- `atoi()`
- `accept()`
- `bind()`
- `connect()`
- `exit()`
- `fprintf()`
- `getenv()`
- `gethostbyname()`
- `htons()`
- `listen()`
- `memcpy()`
- `memset()`

- Sockets

- `perror()`
- `sizeof()`
- `socket()`
- `snprintf()`
- `strchr()`
- `strcmp()`
- `strncpy()`
- `strlen()`
- `read()`
- `write()`

- client
- server
- client-server

The End

- This is the end of the presentation.