

# CSGE602055 Operating Systems

## CSF2600505 Sistem Operasi

### Minggu 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.