

# CSCI330: Midterm Prep Document

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## OS Design

- Roles
- Goals

## Systems Programming:

- Unix
- Shell scripting
- C
- Make

## OS Structures, Mechanisms

- Processor modes (kernel, user)
- Memory, Address space
- System calls, interrupts
- Booting

## Processes

- Process management
- Process switching
- Process scheduling
  - Goals
  - Metrics
  - Mechanisms
  - Policies
- Interprocess communication
- Threads
  - States
  - Relation to processes