EECS 111: System Software
Lecture 7

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Lecture 7 Overview

- Course Administration
  - Assignment 2: Discussion
- CPU Scheduling
  - Basic Concepts
  - Scheduling Criteria
  - Scheduling Algorithms

Assignment 2

- Discussion
  - Process creation, Context switch
- Project
  - Parallel Processes, Inter-Process Communication
    - Program **`fibo2`** to compute Fibonacci numbers
    - Create two parallel child processes
      - Child 1 computes Fibonacci(n-1)
      - Child 2 computes Fibonacci(n-2)
      - Parent waits for children and combines results
    - Communication via POSIX shared memory
    - Analyze and compare execution times
  - Due
    - Tuesday, April 20, 2010, 12:00pm (noon)

CPU Scheduling

- *"Operating System Concepts", 8th Edition,* by A. Silberschatz, P. B. Galvin, G. Gagne, John Wiley & Sons, 2009.
- Chapter 5
  - Basic Concepts
  - Scheduling Criteria
  - Scheduling Algorithms