**Instructor:** B. Melis ÖZYILDIRIM (E-mail: mozyildirim\_at\_cu.edu.tr)

**Lecture Hour and Room:**

**Course Description:**

This course introduces computer system, processes, threads, concurrency, deadlock, memory management, virtual memory, scheduling, I/O management, disk management, embedded systems, distributed systems.

**Textbooks:**

Operating Systems Internals and Design Principles Seventh edition, William Stallings

Operating Systems in Depth, Thomas W. Doeppner

Operating System Concepts, Abraham Silberschatz, Peter Baer Galvin, Greg Gagne, 9th edition

**References:**

# Course Schedule:

Week 1: Introduction

Week 2: Computer System

Week 3: Processes

Week 4: Threads

Week 5: Concurrency I

Week 6: Concurrency II

Week 7: Concurrency III

Week 8: Midterm

Week 9: Memory Management I

Week 10: Memory Management II

Week 11: Scheduling I

Week 12: Scheduling II

Week 13: I/O Management and Disk Management

Week 14: Embedded system

Week 15: Distributed system

**Grading**: Midterm 40 %, Final exam 60 %.

**Notes:**  Follow [**https://gitlab.com/cen354**](https://gitlab.com/cen3545)for resources and announcements.