Computer Architecture and Operating System CAP(371)

Prerequisites: CAP241

Textbooks:
1- M. Morris Mano, Computer System Architecture, 3rd Ed.
2- Silberschatz & others, Operating System Concepts, 5th, 6th or 7th Ed.

Course Contents:

Part 1: Computer Architecture
1- Introduction
2- Register transfer and microoperations
3- Basic computer organization and design
4- Microprogrammed Control
5- Memory organization

Part 2: Operating system:
1- Introduction
2- Computer and Operating systems structures
3- CPU scheduling
4- Memory management