CO 204 & SE 304
Operating Systems

Introduction: Operating system and function, Evolution of operating system, Batch, Interactive, Time Sharing and Real Time System, System protection. **Lecture: 2**

Operating System Structure: System Components, System structure, Operating System Services. **Lecture: 2**

Concurrent Processes: Process concept, Principle of Concurrency, Producer Consumer Problem, Critical Section problem, Semaphores, Classical problems in Concurrency, Inter-Process Communication, Process Generation, Process Scheduling. **Lecture: 5**

CPU Scheduling: Scheduling Concept, Performance Criteria of Scheduling Algorithm, Evolution, Multiprocessor Scheduling. **Lecture: 4**

Deadlock: System Model, Deadlock Characterization **Lecture: 1**