CSC 225 Operating System : (3Units)

Department of Computer and Information Sciences

Covenant University
1. CSC225
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Overview of O/S: Role & Purpose, Functionality Mechanisms to support Client-server models, handheld devices, Design Issues influences of Security, networking, multimedia, Windows.


Concurrency: States & State diagrams Structures, Dispatching and Context Switching; interrupts; Concurrent execution; Mutual exclusion problem and some solutions Deadlock; Models and mechanisms (Semaphones, monitors etc.)

Producer-Consumer Problems and Synchronization. Multiprocessor issues. Scheduling & Dispatching

Memory Management: Overlays, Swapping and Partitions, Paging & Segmentations Placement & replacement policies, working sets and Trashing, Caching.