
Ralf Steinmetz And Klara Nahrstedt Multimedia Systems 13.pdf

Advanced Operating Systems

Course Title: Advanced Operating Systems **Full Marks:** 45 + 30
Course No: C.Sc. 538 **Pass Marks:** 22.5 + 15
Nature of the Course: Theory + Lab **Credit Hrs:** 3

Course Description: Operating systems concepts overview - process management, memory management and storage management, protection and security, distributed system, real-time system, and multimedia system.

Course Objectives:

- Introduce the underlying principles of an operating system, virtual memory and resource management concepts.
- Exposure current state-of-art research in operating system
- Exposure of distributed operating system, real-time operating system and multimedia systems.

Course Contents

Unit 1: Process Management and Synchronization(12 Hrs)

- 1.1. Process management: Process Model, Modeling Multiprogramming, Inter-process communications: lock variables, sleep and wakeup, semaphores and mutexes.
- 1.2. Process scheduling: Round robin, *Weighted Round Robin*, *Round robin with variable quanta* (*Paper Based Study*)
- 1.3. Deadlocks: Deadlock detection, avoidance and prevention, *recovery from deadlocks* (*Paper Based study*).

Unit 2: Memory Management (13 hrs)

DOWNLOAD: <https://tinurli.com/2itc3z>

Download



Books about digital multimedia systems {#Sec5} Besides the books that are specifically about digital multimedia systems, there are many more general books on multimedia systems. One of these general books is a new book "Multimedia Systems: An Advanced Introduction" by the authors S.R. Beko, J. Kok, J.P. Kerman and R.V.M. Tang (2010). It provides a comprehensive review of the basics of digital multimedia systems. It covers the latest advances of the multimedia technologies and the research trends. We have chosen and reviewed the books which are specifically about digital multimedia systems, because the authors use specific tools and algorithms and provide examples and worked examples. In addition, the books are organized in such a way that the readers can access to the topics more easily. Furthermore, the books are not 82157476af

[Rebeka vest crno jagnje i sivi soko pdf](#)
[Plaxis Hardlock Driver Download](#)
[Schemaplic ZI.torrent](#)