Syracuse University

CSE762: DISTRIBUTED COMPUTING SYSTEMS

FALL 1996

(http://www.npac.syr.edu/users/hariri/cse762)

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Text: High Performance Distributed Systems: Network, Architecture, and Programming, Salim Hariri to be published by Printice Hall, Inc in 1997.

Evaluation: Final: 25% **Project:** 25% **Term Paper:** 25% **Homework:** 10% **Quiz:** 15%

Lecture	Date	Topics
1	Aug. 29	Distributed System Software Tools: P4
2	Sep. 5	Distributed Systems: Introduction and Evolution
3	Sep. 12	Distributed System Design Framework
4	Sep. 19	High Speed Communication Networks
5	Sep. 26	High Speed Communication Protocols
6	Oct. 3	Host Network Interface Designs
7,8	Oct. 10, 17	Distributed Operating Systems, Case Studies
9	Oct. 24	File Systems, Distributed File Systems
10	Oct. 31	Concurrency control and Redundancy Management
11,12	Nov. 7, 14	Load Balancing
13,14	Nov. 21, Dec. 5	Distributed Computing Paradigms: RPC, Message Passing, Shared Memory
15	Dec. 12	Final Exam

Term Paper: Every student must submit a term paper that addresses important issues (as listed in the outline) of designing distributed computing systems.
Programming Project: Every student or a group (of two maximum) is required to develop a project that applies distributed computing to solve a computationally intensive application across a cluster of workstations. The project should be developed using P4 tool.
Important Dates:

Term Paper		Project	
Description	**Due Date**	**Description**	**Due Date**
Paper abstract	Sep. 26	Project abstract	Sep. 19
Paper outline	Oct. 24	Project description	Oct. 17
Final report	Dec. 5	Project report	Dec. 5