Class Schedule, CS262

Date	Topic	Readings
1/30/07	First day of class (Wednesday)	Introductory Lecture: Why care about distributed computing
2/4/07	Basic problems	Waldo, et. al, . A Note on Distributed Computing The American Timetable and Train Order System
2/6/07	Sockets as communication	Birrell, An Introduction to Programming with Threads
2/11/07	Replication	Schneider, Replication Management using the State Machine Approach
2/13/07	RPC and CORBA	Nelson and Birrell, Implementing RPC Lampson, Hints for Computer System Design
2/18/07	President's Day (holiday)	
2/20/07	RMI 1	RMI "Hello World" RMI tutorial
2/25/07	Time 1	Babaoglu and Marzullo, Consistent Global States, sections 1-9; Lamport, Logical Time
2/27/07	RMI 2/SOAP/XML	
3/3/07	Time 2	Babaoglu and Marzullo, Consistent Global States, sections 10-16
3/5/07	Distributed locking/Chubby	Burrows, The Chubby Lock System
3/10/07	Broadcast	Hadzilacos and Toueg, A Modular Approach to Fault-Tolerant Broadcasts
3/12/07	Google File system/ distributed file systems	Ghemawat et. al., The Google File System
3/17/07	Review session	
3/19/07	Exam 1	
3/24/07	Spring Break	
3/26/07	Spring Break	
3/31/07	Paxos	Lamport, The Part-time Parliament; Lamport, Paxos Made Simple
4/2/07	Map/Reduce and programming models	Dean and Ghemawat, Map-Reduce; Chandra, Paxos made Live
4/7/07	Byzantine Generals	Lamport et. al., The Byzantine Generals Problem
4/9/07	Practical Byzantine	Castro and Liskov, Authenticated Byzantine Fault Tolerance
4/14/07	Security 1	Lampson, Authentication in Distributed Systems, sections 1-5; Waldo, A Semantics for Lampson's Authentication,
4/16/07	Versioning	Ajmani and Liskov, Modular Software Upgrades
4/21/07	Security 2	Lampson, Authentication in Distributed Systems, sections 6-10 and Appendices Waldo, A Semantics for...
4/23/07	Exam 2	
4/28/07	Student Presentations	
4/30/07	Student Presentations	