CS 524 - Distributed Systems - Course Syllabus
Fall 2013 - Scott Spetka - 792-7537 - scott@cs.sunyit.edu
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Office Hours
C133/C012/C108/C212 Kunsela Hall
Mon.8:30pm-9:30pm
Tues. 3:00pm-4:00pm,6:00pm-7:00pm
Wed. 9:30pm-10:30pm

Prerequisites
"Data Structures"
and "Unix Programming Experience"
or Permission of Instructor"

Scott's Papers, Class Directory, WWW Home Page
Scott's Papers
~scott/CS524 (local DogNET access only)
http://www.cs.sunyit.edu/~scott/classes/CSC524/

Optional Book
Distributed Systems: Principles and Paradigms
by Andrew S. Tanenbaum (Author), Maarten van Steen (Author)
Hardcover: 704 pages
Publisher: Prentice Hall; 2 edition (October 12, 2006)
ISBN-10: 0132392275

Grading
Final Exam 25%
Midterm Exam 25%
Project 50%

Outline
Week 1 Ch 1 INTRODUCTION
Week 2 Ch 2 ARCHITECTURES
Week 3 Ch 3 PROCESSES
Week 4 Ch 4 COMMUNICATION
Week 5 Ch 5 NAMING
Week 6 Ch 6 SYNCHRONIZATION
Week 7 Ch 7 CONSISTENCY AND REPLICATION
Week 8 Ch 8 FAULT TOLERANCE
Objectives

- The course will provide the student with an understanding of concepts in distributed systems.
- The course will provide the student with an understanding of tools and methodologies required to develop distributed systems.

Student Outcomes

- Student will have an understanding of the concepts, tools, and methodologies required to develop distributed systems.
- Students will be able to apply concepts, tools and techniques for distributed systems in experimental software environments.