

DISTRIBUTED SYSTEMS

CS 6523; FALL 2008

Instructor: A. T. Chronopoulos, office: 3.02.16 Science Bldg,
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Schedule

Class Meets: TTh 15:30-16:45pm; Room HSS 2.02.04

Office Hours: T,Th 13:00-14:00 or by Appointment.

Textbook

Distributed Systems: Concepts and Design, G. Coulouris et al., Addison-Wesley, 2005.

Course Outline

Contents [Book chapters: 11, 12, 13, 14, 15, 17 (10, 16 and 19 if time permits)]: Time and Global System States; Processes Coordination and Agreement; Transactions and Concurrency Control; Distributed Transactions; Process Replication; Distributed Multimedia Systems; (If time permits: Peer-to-Peer Systems; Mobile and Ubiquitous Computing ; Web Services).

Prerequisites: None for Ph.D. students. Operating Systems (CS 5523) or consent of instructor for Master's students.

Exams/Projects

Project and Paper Presentation (60% of grade): A distributed programming project and one paper will be completed/studied/presented by each student.

Exams (30% of grade): Instead of exams students will be solving the problems in each chapter and they will make powerpoint presentations in the class.

Exams (10% of grade): Class Attendance and Participation.