Florida International University
School of Computer Science
CEN 6501 – Distributed Processing (Section 1)
Fall, 2006

1. INSTRUCTOR

Professor: Dr. Shu-Ching Chen
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E-mail: chens@cs.fiu.edu
Course Web site: http://www.cs.fiu.edu/~chens/courses/cen6501/2006/cen6501.html
Room and Time: ECS 143, Monday/Wednesday 12:30 p.m. – 13:45 p.m.
Office Hours: Monday 11:30 p.m. – 12:30 p.m. Other times by prior appointment (please call or send e-mail)

2. TEXTBOOK


3. COURSE DESCRIPTION

This course is to study distributed processing using networking and distributed computing techniques. We will investigate distributed algorithms, basic issues to networking and internetworking, representative protocols, basic concepts and models of distributed computing, and interfaces between network and distributed applications. Also, primary attention will be given to distributed system design and implementation.

4. COURSE OBJECTIVES

After the students successfully finish this course, they should have a better understanding of the issues and techniques for distributed computing/processing. They should also be familiar with client/server programming to develop a distributed system.

5. TOPICS

- Introduction to Distributed Processing
- Distributed Processing Techniques
- Networking and Internetworking
- Distributed Programming
- Distributed Objects and Remote Invocation
- Beowulf Cluster and Programming
- Transactions and Concurrency Control
- Others

6. GRADING POLICY

- Midterm: 20%
- Final: 35%
- Programming projects: 45%

- Grading standards to be used in calculating final grades: The final grade will be based on the student’s performance in Midterm, Final, and Programming projects.
7. NOTES

- University drop date: November 3, 2006
- No late projects will be accepted, and no make-up for the mid-term and final examinations will be given unless student can provide proof(s).
- Each student/group should complete his/her/its programming projects independently.
- Students should attend all the classes.
- Academic misconduct will not be tolerated by the University, nor will it be tolerated in the classroom.
- On November 28, 2001, Student Government Council voted to endorse a Code of Academic Integrity:

> “Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University.”