

**GEORGE MASON UNIVERSITY
SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING**

**TCOM-510
CLIENT/SERVER ARCHITECTURES AND APPLICATIONS
(1.5:1.5:0)**

Spring 2008

Instructor: Dr. Peter W. Pachowicz
703-993-1552; ppach@gmu.edu
Office Hours: Wednesdays 2:00 - 3:30pm, and by an appointment

Topics Covered:

1. Introduction to middleware and distributed computing
2. Client/server model and principles of interprocess communication
3. Distributed objects and remote invocation
4. Basic C/S middleware
5. Client-Server transaction processing
6. Internet and web middleware
7. Distributed object technology
8. Centralized computing middleware

Grade: Midterm: 50%
Final: 50%
Quizzes - not graded

Course Text:

- Distributed Systems: Concepts and Design. G. Coulouris, J. Dollimore and T. Kindberg, Addison-Wesley, 3^{4th} Edition, 2005.
- Client/Server Survival Guide. R. Orfali, D. Harkey and J. Edwardes, Wiley, 3rd Edition, 1999.
- Additional materials will be used through this course.