GEORGE MASON UNIVERSITY
SCHOOL OF INFORMATION TECHNOLOGY & ENGINEERING

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

Spring 2011

Instructor: Dr. Peter W. Pachowicz
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Office Hours: Wednesdays 1:00 – 2:45 pm, and by an appointment

Course Description: Fundamentals of application engineering for Client/Server Internet environments. Review of C/S application architectures and system perspective on C/S middleware. Study of web-based middleware, distributed data managers and SQL middleware, distributed transaction processing middleware and C/S object technology.

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% (4/13/11)
Final: 50%
Quizzes - not graded

Course Text:
- Additional materials will be used through this course.