

MSI 602 - Advanced Concepts in Information Systems II
Module 2 - Enterprise Application Development
University at Albany, SUNY
Spring 2002

Instructor Information

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Class Information

Time: W 9am - 12pm (4509)
 Room: BA 233
 Dates: Mar 25 - May 6
 Available Labs: MIS Lab, HRIS Lab

Course Overview

This course is a two part course. The first part covers issues of Object Design, Software Design, Code Development and Code Testing. In the second part of the class the students learn the multi-tier architecture for Enterprise Computing and develop a business application using Java Enterprise Edition. The core technologies that students use for the application development are Java Servlets, JDBC, XML and Swing. The class will require a significant amount of programming thus knowledge of Java Programming will be very useful. It will be a very fast paced class so please see me if you have any difficulty in the class.

Books & Software

Text: Professional Java Server Programming J2EE Edition by Allamaraju et.al.
 Text: Visual Modeling with Rational Rose 2000 and UML by Terry Quatrani
 Text: Modern System Analysis and Design by Hoffer, George, and Valacich
 Reference: Oracle JDeveloper 3 Handbook by Dorsey and Kaletze
 Reference: Java by Dissection: The Essentials of Java Programming by Pohl & McDowell

Grading

Homework: 25%
 Project: 50%
 Final Exam: 25%

Course Schedule

Week	Date	Topics	Readings
1	04/03	3-tier Architecture	Chapter 1 (PJSP)
		JDBC + Lab	Chapter 3 (PJSP)
2	04/10	Web Containers	Chapters 7-9 (PJSP)
		Servlet Programming	Chapters 7-9 (PJSP)
3	04/17	Sessions, Context & Collaboration	Chapters 7-9 (PJSP)
		xml	Chapters 5 & 6 (PJSP)
4	04/24	Error Handling & File/Screen IO	Chapter 10 & 11 (JBD)
		Event Driven Programming / Swing	Chapter 8 & 9 (JDB)
5	05/01	Event Driven Programming / Swing	
		Event Driven Programming / Swing	
6	05/08	Project Presentations	
	05/10	Exam	