

Date (Week of)	Topics Covered	Reading Material
1/13	General Introduction; Course Outline; Client/server systems.	Firstday handout
1/20	1/20: Martin Luther King Day: no class; Distributed System using Java RMI. Project 1 Discussion. Enterprise Computing: technology	Project 1 handout. Class notes; Ch.1
1/27	More on Project 1: IncidentWeb details; Setting enterprise integration design objectives. Recitation: Distributed system using servlets.	Ch.2
2/3	Designing the enterprise architecture; establishing the enterprise infrastructure; JDBC and using Oracle server	Ch.3; Ch.4
2/10	Java 2 Enterprise Edition (J2EE). Technologies, enterprise application model, design and implementation of a sample application.	java.sun.com/j2ee
2/17	Creating a business system domain; Providing a messaging infrastructure: Java messaging and queuing	Ch.5, Ch.6. java.sun.com/jms
2/24	Integrating workflow management. Providing web-based access (recitation)	Ch.7, Ch.8
3/3	More J2EE: Enterprise Java beans. Project 2 discussion: EJB-based enterprise system. Resign Date: 3/7	Project 2 handout; java.sun.com/j2ee
3/10	Spring Break	
3/17	Project 2 Discussion continued. Using component technology.	Ch.10
3/24	eXtensible Markup Language (XML). Enterprise systems using XML Webservices	Ch.9; java.sun.com/webservices
3/31	Security and protection; authorization and authentication; Trusted systems.	Ch.11
4/7	Grid computing fundamentals. Globus toolkit usage. Project 3 discussion: Grid based enterprise resource management	Project 3 handout; www.globus.org
4/14	Implementing enterprise architecture; Project 3 discussion continued.	Ch.13
4/21	Review for the final exam.	Ch.12
<b>Important Dates</b>	<b>Due Date</b>	
2/24	Project 1	
3/31	Project 2	
4/28	Project 3	
2/25	Exam 1	
Finals Week	Final Exam	

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