SW 410 Enterprise Java

Description

This course will explore server-side Java technologies in a structured manner. Students will be exposed to the latest in Java technologies and API's (JSP's, XML, DOM, Servlets, JDBC, EJB's etc).

3 Credit Hours, Pre-req: SW 409. Offered Fall term annually

Textbook: Java for Programmers, by D. Lyon. Copies are available from the SOE office .
Computer Usage: Students MUST have access to a computer with a Java compiler. E-mail access is required.

Course Notes: Handouts/diskettes/e-mail, web page
Where: Mc 203
Who: Prof. Lyon
Voice Phone: (203)641-6293
Fax: 203-877-4187
Web: http://www.DocJava.com

Office Hours

Monday, Tuesday	1:00 pm - 2:00 pm
Wednesday	5:00 pm - 6:30 pm
E-mail:	lyon@DocJava.com
Web:	http://www.DocJava.com

Course Offerings

CR310, Voice and Signal Processing	Mc 203 Mon 2:00-4:30
CR 320, Computer Network	Mc 203 Tues 2:00-4:30
SW 410, Enterprise Java	Mc 203 Wed 6:30-9:20
CR310 -> SW511 and ECE 410	
CR320 -> ECE 460.	
ECE510, Thesis I	By Appointment
ECE420, Readings	By Appointment

Topics: The amount of coverage for the following topics may vary.
27. Spiral Components
28. JDBC
29. Network Programming
30. Servlets
31. JSP
32. XML
33. More XML Techniques
34. Bean Properties
35. Introduction to Enterprise Java Beans
36 EJB Container
37 Session Beans
38. Session Bean Deployment
39 Entity Beans
40. EJB Security

Additional topics of exploration may include:
Java Mail, JMS, Container Management,
Session Management, Entity API, JSP Tags,
Introspection, Java Beans Management, WML, XSLT, Java 3D,
JAI, CORBA/IDL, RMI, Advanced GUI's, Multi-media
programming (Java Sound API, JMF, QT4J, etc.) and
other advanced topics.

Educational Objective: To improve student communication skills.
Outcome: Students will write and present materials in a lecture format on
a regular basis.

Educational Objective: To prepare students for life-long learning.
Outcome: Student will teach themselves and others about cutting
edge technologies.

Educational Objective: To help students make sense of the large
and growing number of Java technologies.
Outcome: Students will perform exercises based on each presentation
to make sure that they understand the technologies.

Grading Policy:
        Homework and Laboratory Trials: 1/3
        Midterm Exam   : 1/3
        Final Exam   : 1/3
Assignments are due at the beginning of class. Assignments handed in during class lose 5
points, after class 10 points. Late submittals lose 10 points per day including weekends and
holidays. Missing a test results in a zero unless a written excuse is presented.

Homework requirements:

Print out a listing of the program. Print out the program intput and output. You may need to do this at various levels of detail. Hand in a labeled disk with a printout. Place the disk in a #10 letter envelope and staple the envelope to the printout.