

SYLLABUS – ECE 155B
Network Computing
Spring 2012

Instructor: Dr. Louise E. Moser

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Office Hours: M W 11:15am-12:00noon, T Th 12:30-1:15pm, and
by appointment

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Office Hours: W 2:00pm-3:30pm, F 11:00am-12:30pm, and by appointment

Lecture: T Th 11:00am-12:15pm, HSSB, Room 1206

Discussion Section: F 10:00-10:50am, Building 387, Room 103

Web Site: http://www.ece.ucsb.edu/courses/ECE155/155B_S12Moser

Prerequisites: ECE 155 A or CS 176 or consent of instructor, Ability to program
in Java

Topics to be Covered: Networked applications, distributed object computing, client/server computing, applets, threads, Java sockets, Uniform Resource Locators (URLs), Java Remote Method Invocation (RMI), Hypertext Markup Language (HTML), servlets, Java Server Pages (JSPs), Java Interface Definition Language (IDL), Enterprise Java Beans (EJBs), EJB application servers, Java Database Connectivity (JDBC), Web Services, eXtensible Markup Language (XML), Simple Object Access Protocol (SOAP), Web Services Description Language (WSDL), Universal Description Discovery and Integration (UDDI)

Units: This is a 4 unit course with a discussion section. The 4 units count as 2 design units and 2 theory units.

Recommended Texts:

Advanced Java Networking
D. Stefik and P. Sridharan
Prentice Hall

Java Networked Programming
E. R. Harold
O'Reilly and Associates

These texts are on reserve in the Reserved Book Room in the Library.

In addition to these texts, we will be giving you URLs for the various Java networking technologies that we will study this quarter.

Assignments: The homework assignments for this course will involve network programming in Java. The assignments will be due on Fridays at least one week after they are assigned. For each assignment, you will turn in the program code along with a short report. You will also demonstrate the working of your code. If you cannot turn in an assignment and demonstrate your working code on Friday, you may do so the following week with a penalty of -10 points.

Examinations: There will be no midterm or final exams in this course. The final exam will be replaced by a term paper in which you will discuss the various Java networking technologies that you learn this quarter, along with applications of those technologies.

Grading: Grades will be based on class attendance/participation (15%), programming assignments (70%), and final term paper (15%).