Brooklyn College
Department of Computer and Information Sciences

CISC 3335 [53] Client-Server Web Programming
3 hours lecture; 3 credits

Programming a Web-based interactive client-server application. HTTP protocol, Web browsers, and Web servers. HTML and its extensions. Java applets. Interaction with server using CGI and alternatives. Server-side programming and control. Session persistence. Design of interactive Web pages using client-side (browser) scripting.

Objectives:

This course provides the opportunity to learn about and develop client-server applications using Java servlets and JSP. In addition, students will learn and perform HTML form coding, learn about and use the Apache Tomcat server as well as the mySQL relational database. This will provide an environment that will enable students to develop client applications and server-side code that will interact with a relational database for the storage and retrieval of information.

Syllabus:

1. Basic HTML coding

2. Basics of Cascading Style Sheets

3. Java Software Development Kit

4. Apache Tomcat

5. Servlet Basics

6. Client Requests

   Form data, HTTP request headers, HTTP status codes, HTTP response headers

7. Cookies

8. Session Tracking   [On-line shopping carts]

9. Java Server Pages

10. Java Beans

11. mySQL

12. Accessing databases with JDBC

13. PHP

Textbook:
Core Servlets and Java Server Pages Volume 1: Core Technologies /2e**.** Marty Hall and
Larry Brown, Prentice-Hall PTR.

The author's web site http://volume1.coreservlets.com/archive/ has a tremendous wealth
of information and resources.