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


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.