Course: CS 3440. Client-side Web Programming
Description: This course covers client-side graphical user interface programming using current internet technologies including browser scripting languages, GUI presentation, asynchronous server communication, event handling, and XML processing. A major individual project is required.

Instructor Barry L. Kurtz
Office/Phone 119 CAP Bldg., 828-262-7008
Office hours MWF 10:00 – 11:30 and 2:00 – 3:30 or by appointment

Grading Policy:
- In-class Microlabs and exercises 15%
- Programming Assignments 25%
- Project 10%
- First and Second Exam (14% each) 28%
- Final Exam 22%

These percentages represent guidelines and may vary during the semester. Examination grades will be curved when the exams are returned so that you will have a good indication of your relative class standing.

Programs and Projects
Hands-on programming activities in the form of microlabs will occur during lecture. Program assignments will be more substantial than microlabs and completed outside of class. You will be using a variety of programming tools as listed below. The course project will be a complete web application that combines server-side programming (PHP or JSP/JSF, Database) and client-side programming (xhtml/css or javascript or Ajax or JavaFX).

Topics and Lectures
- XHTML and Cascading Style Sheets 7 lectures
- Javascript and Dynamic Documents 7 lectures plus exam
- XML and Flash 5 lectures
- PHP, Ajax, and JavaFX 6 lectures plus exam
- Java Web Software, Database Queries 7 lectures
- ASP.NET, Ruby and Rails 5 lectures
- Project presentations 2 lectures

FINAL EXAM: Monday, December 13, 2010 from 3:00 PM - 5:30 PM
Teaching Philosophy
This course will follow the textbook very closely and add one additional topic: JavaFX. Lectures will include hands-on programming experiences. Exams will be based on lecture materials and microlab activities. There will be a strong emphasis on being able to write program code in a variety of programming environments.

Attendance and Classroom Participation
All students are expected to attend class unless absent with a valid, documented excuse, such as a note from the infirmary. In addition to lecture on the theoretical topics, class activities will focus on hands-on program development. Everyone is expected to participate in this activity on a regular basis.

Late Submission Policy
No microlabs, programs, or other course components will be accepted late unless accompanied by a valid, documented excuse, such as a note from the infirmary.

Communications Policy
Your appstate email account will be used to communicate detailed course information. You are required to check your email once a day during the school week.

Collaboration Policy

PROGRAMMING ASSIGNMENTS
Discussion of the assignment with the instructor is encouraged. Discussion of the assignment requirements in a natural language (e.g., English) with fellow students is allowed, but sharing code in any manner (files, printouts, screen images) is forbidden unless it is a group assignment, in which case you can only share with group members.

EXAMS
No discussion of any kind, except with the instructor, is allowed during exams. Access to books, notes or copying from a neighbor’s exam is strictly forbidden.