ECT 270
Client-Side Web Application Development
Winter 2004
Sections 601
M/W 10:10 – 11:40 am, CS&T 224

Professor: Robin Burke
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Office: CS&T 453
Office hours: Mondays 12 noon – 3:00 pm and by appointment
Prerequisites: CSC 211 and ECT 250 or CSC 200
Course web site: http://josquin.cti.depaul.edu/~rburke/courses/s04/ect270

Description
This course presents a comprehensive study of HTML, Cascading Style Sheets, JavaScript and dynamic HTML.

Readings

Note
The schedule and other information in the syllabus is subject to change. Consult the Course On-Line website and the course web site for the most up-to-date information.

Resources
Each student at DePaul is assigned an email account on the students.depaul.edu server. You do not need to use this account for emails but we will use this server for publishing pages on the Web. therefore be sure to verify your password as soon as possible. You may get it at the ID Office (DePaul Center 9700 or SAC 182) if you don't know it.
Information such as lecture notes and assignments can be found on the course web site. I will try to have slides available 24 hours in advance of class, but I cannot guarantee it.

Assessment
Student progress will be assessed through a combination of regular homework assignments, a midterm exam and a final project:

• Homework – 40%
• Midterm – 30%
• Final project – 30%

Tentative Schedule

3/29: Introduction
Introduction to the course.
Assigned: Homework #1: Publishing to Shrike

3/31: The Web
Introduction to the Internet and WWW. Access to web servers using FTP and Telnet.
Reading: HTML, Tutorial 1
4/5: HTML I
Basic HTML tags and structures. Lists. Anchors. Lines. Images and image formats. Page size and
bandwidth issues. Image maps.
Reading: HTML, Tutorials 2 and 3
Due: Homework #1
Assigned: Homework #2: Course web page

4/7: Lab I
Hands-on web page creation.

4/12: HTML II
Tables. Colors and HTML color codes.
Reading: HTML, Tutorial 4
Due: Homework #2
Assigned: Homework #3: Images and tables

4/14: HTML III
Table-based layout.

4/19: HTML IV
Reading: HTML, Tutorial 6
Due: Homework #3
Assigned: Homework #4: Forms

4/21: Lab II
Hands-on web page creation with forms and tables.

4/26: Web design
Overview of web design.
Reading: TBA
Due: Homework #4

4/28: CSS I
Cascading style sheets. Internal and external style declarations. Fonts.
Reading: HTML, Tutorial 7
Assigned: Homework #5: CSS

5/3: Midterm

5/5: CSS II
Assigned: Final Project

5/10: JavaScript I
Introduction to JavaScript and dynamic HTML. JavaScript syntax: variables, functions, operators,
conditionals, loops, arrays.
Reading: HTML, Tutorial 8
Due: Homework #5
Assigned: Homework #6: JavaScript

5/12: Lab III
Hands-on JavaScript programming.
5/17: JavaScript II
Due: Homework #6
Assigned: Homework #7: Form Validation

5/19: JavaScript III
Layering. Dynamic positioning.
Due: Homework #7

5/24: JavaScript IV
Rollover effects. Image substitution. Pull-down menus. Pop-up windows.
Due: Homework #7

5/26: JavaScript V
Events and event handling. Keyboard events.
Due: Homework #7

5/31: Final project help session

6/2: XML
XML syntax and XHTML.
Reading: TBA

6/9: Final project presentations (8:45 am – 11 am)
Due: Final project

Policies

Students are expected to attend all classes and participate in in-class exercises. Class will start promptly at 10:10 am. Students are individually responsible for material they may have missed due to absence or tardiness.

Exams can only be made up with a serious documented excuse (e.g. illness, death in the family). A make-up quiz or test must be arranged as soon as possible and always before the student attends the next class meeting. Arrangements involving other excuses require prior permission from the instructor.

In a team project, it is important to divide the project effort fairly among team members. Group participation will be evaluated. Student having difficulties within their project group should contact the instructor as soon as possible.

Assignments will be posted online on the Shrike server and should also be submitted in ZIP format to the Course On-Line site. Do not submit assignments by email. All assignments should be completed and submitted by class time on the due date. Late assignments will be accepted up to two days after the due date with a 10% penalty per day. The final project may not be submitted late.

Assignments must represent a student's individual effort. While students are permitted to discuss assignments at the conceptual level, under no circumstances should students share specific answers (electronically or otherwise). You may also not use JavaScript or HTML code within an assignment or project unless that code was developed by you, the only exception being when given specific permission by the instructor to do so.
In this course, you are NOT permitted to use any HTML editing application beyond a simple text editor. Applications such as FrontPage, Dreamweaver, etc are not permitted. The purpose of this course is to learn the HTML details that a sophisticated editing application hides from you.

School Policies

Online Instructor Evaluation
Course and instructor evaluations are critical for maintaining and improving course quality. To make evaluations as meaningful as possible, we need 100% student participation. Therefore, participation in the School’s web-based academic administration initiative during the eighth and ninth week of this course is a requirement of this course. Failure to participate in this process will result in a grade of incomplete for the course. This incomplete will be automatically removed within seven weeks after the end of the course and replaced by the grade you would have received if you had fulfilled this requirement.

Email
Email is the primary means of communication between faculty and students enrolled in this course outside of class time. Students should be sure their email listed under “demographic information” at http://campusconnect.depaul.edu/ is correct.

Plagiarism:
The university and school policy on plagiarism can be summarized as follows: Students in this course, as well as all other courses in which independent research or writing play a vital part in the course requirements, should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work a report, examination paper, computer file, lab report, or other assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Incomplete:
An incomplete grade is given only for an exceptional reason such as a death in the family, a serious illness, etc. Any such reason must be documented. Any incomplete request must be made at least two weeks before the final, and approved by the Dean of the School of Computer Science, Telecommunications and Information Systems. Any consequences resulting from a poor grade for the course will not be considered as valid reasons for such a request.