COURSE OUTLINE – SPRING 2009
CST161: Homepage and Web Site Development

Instructor: Robert Barta [E-mail: bartab@sunysuffolk.edu]
Office: Orient Building 227, Phone 548-3594

Textbook: Creating Web Pages with HTML, XHTML and XML
(New Perspectives/Comprehensive) 2nd Edition
Patrick Carey
Thomson/Course Technology

Supplies: USB removable memory device as specified by the instructor

Objectives:
This course will enhance one’s development in the techniques and skills of homepage and web site
development. Practical exercises assigned will mould the learner for the following objectives:

1. Demonstrate working understanding of the programming language of HTML
2. Differentiate document types in Web site construction
3. Employ careful web development
4. Describe a basic web process in creating a site
5. Classify core elements and characters
6. Develop and construct a site plan
7. Illustrate site management
8. Evaluate, modify, and verify one’s site with constant testing
9. Differentiate internal anchors, internal and external links
10. Identify server-side and client-side programming
11. Define image formats
12. Define legal issues of images
13. Demonstrate understanding of principles using text, images, and space for alignment and
   layout
14. Compare and contrast the use of frames and no frames in site construction
15. Illustrate the creation of style sheets linked to a document and a site
16. Employ programming forms for collecting data with ASP and/or CGI
17. Demonstrate working understanding of JavaScript and XML

Procedures:
At the beginning of each unit of work, the instructor will illustrate respective concepts with concrete
examples and discuss them with the students. The instructor will use a combination of techniques, including
lectures, visual aids, and lines of questioning to relate the subject matter and encourage discussion and
thought among the students. Concepts will then be reinforced and supplemented during lab sessions with
assigned problems. A portion of class time will be spent in the microcomputer lab, where assignments
involving hands-on experience will be undertaken. Tests will be used as a means to measure each student's
level of comprehension.

Student Requirements:
A. Students are responsible for gathering instructional information, procedure, coursework and
project guidelines on the assigning date. The professor will discuss project guidelines on the
assigned date only. If you miss this discussion, it is your responsibility to ask a fellow classmate
for the assignment and complete the project for submission on the scheduled due date. Students
who are absent are not excused from meeting project deadlines.
B. All assigned projects must be completed and handed in on its due date. No project will be accepted after its due date.

C. All grades are averaged and weighed by the grading criteria. Even if "A" work has been done for the semester, an "A" for a final grade will not be given if a project/paper/test is missing from the grading criteria. Each project will have its own grading evaluation.

D. You must come to class prepared to participate in all class critiques, assignments, quizzes and lab time. You are expected to have the necessary tools and supplies to fully participate in all classroom exercises and show strong work habits. Preparation is considered when determining grades for each project during the semester.

E. Respect for the property and others in the classroom.

Support Services:
Tutors and Professional Assistants are available in the Academic Skills/Computing Labs. Check for availability, locations, and scheduled hours of operation.

Grading Policy:
25% - 2 exam grades
75% - Lab assignments

Attendance Policy:
Attendance will be taken at each class. It is the responsibility of the student who arrives late to have the absence changed to a lateness (at the end of class). Being late for class or leaving before the end of class constitutes 1/2 an absence. The college policy on attendance allows for absences equivalent to one week's worth of regular semester class meetings. Excessive absences may result in the student being dropped from the course with possible failure, or receiving a reduced grade at the instructor's discretion. Notify the instructor in case of illness. Despite absence, students must keep abreast of current material including announcements, assignments, and deadlines. All due dates must be met.

Special Notices:
Students are not permitted to copy any software used in class unless specifically instructed to do so. Commercial software is protected under federal copyright laws. Any student illegally copying files will be dismissed from the class and given a final grade of F.

Students should read the "Guidelines for Academic Success" as printed in the student handbook.

Although not all-inclusive, conduct policy for this course prohibits the following behaviors:
- Eating or drinking in class
- Excessive or distracting conversation, including use of cellular devices as noted below
- Unauthorized use of computer, mouse, or keyboard during lecture
- Causing or threatening harm to another student
- Unauthorized use of computer equipment
- Academic dishonesty on any test, paper, or course work
- Destruction, unauthorized transfer, or alteration of files

In accordance with College policy, any student guilty of the above may receive a failing grade, be dismissed from class, and/or be referred to the Dean of Students for further disciplinary proceedings.

Additionally, students are required to set all personal cellular devices (such as pager/beepers and cellular phones) and alarm watches to be INAUDIBLE during class times. Audio activation of such devices will be considered a disruption of class, and may result in the student being dismissed from class for the day, recorded as a lateness or absence. Any emergency or other phone conversations will be conducted outside of the classroom.
## Tentative Weekly Outline:

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<th>Week</th>
<th>Topics</th>
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<td>Tutorial 2 - Developing a basic web site</td>
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<td>13</td>
<td>XML Tutorial 1 - Creating an XML document</td>
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<td>XML Tutorial 2 - Working with Namespaces</td>
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