COURSE SYLLABUS  
Southeast Missouri State University

Department of Industrial and Engineering Technology  
Course No.: TG 388

Title of Course: Technical Aspects of Website Design & Development  
New, Fall 2005

I. Catalog Description and Credit Hours of Course:

This course addresses the design and development of industrial/commercial websites. Topics covered include: necessary components of a well-designed site, site management, HTML, CSS, JavaScript, design of navigation systems, interactivity, and integration of vector-based animations and animated navigation panels into websites. (3 Credit hours; Contact hours - 1 hour lecture, 4 hours laboratory).

II. Prerequisite(s):

TG 386 (C or better)

III. Course Objectives:

Upon completion of this course, the students should be able to:

A. Create documents necessary for effective and efficient project management
B. Edit images for efficient use on websites
C. Effectively utilize HTML, JavaScript and CSS in website development
D. Design and develop appropriate navigation systems
E. Design and develop pages that collect information from users via forms
F. Apply knowledge of web-based animation as learned in TG 386 in the creation of animated banners/ads
G. Design, develop and load a commercial-quality website onto a server.

IV. Expectations of Students:

A. Class attendance and participation are required, both lecture and lab.
B. Students are required to read the assigned chapters for discussion and lab.
C. Assignments are designed to be completed in class. The instructor reserves the right to refuse completed work if student’s attendance is inadequate to insure originality of work.
D. Assignments will only be accepted on the due dates provided unless previous arrangements are made or student provides a written medical doctor's excuse.
E. Students are expected to complete all assignments.
F. Student work will be completed in accordance with Code of Student Conduct (http://www6.semo.edu/judaffairs/code.html).
G. Assignments may not be turned in to department secretary.
H. No assignments are to be turned in Finals’ Week.
I. Cell phones, pagers, etc. must be turned off in class.
B. In a professional environment, work areas are kept clean. In keeping with a professional attitude toward fellow students, always clean your area before leaving.
C. Headsets are not allowed during class time including lab time, unless approved by the instructor.
D. Students are responsible for removing their personal work from the computers each day.
V. Course Content or Outline:

<table>
<thead>
<tr>
<th>Topics Addressed in Course</th>
<th>Time on Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Site design and management in Dreamweaver</td>
<td>3 wks</td>
</tr>
<tr>
<td>B. HTML and CSS</td>
<td>2 wks</td>
</tr>
<tr>
<td>C. Web-bound image creation</td>
<td>1 wk</td>
</tr>
<tr>
<td>D. Web-based animation</td>
<td>1 wk</td>
</tr>
<tr>
<td>E. Javascript</td>
<td>2 wks</td>
</tr>
<tr>
<td>F. Interactivity</td>
<td>2 wks</td>
</tr>
<tr>
<td>G. Navigation models and interface design</td>
<td>2 wks</td>
</tr>
<tr>
<td>H. Project management documents</td>
<td>2 wks</td>
</tr>
</tbody>
</table>

VI. Textbook(s) and/or Other Required Materials or Equipment:


C. CD-R disk (2) and a flash/jump drive

VII. Basis for Student Evaluation:

A. Projects – 50%
   Student projects will include the design and development of components used in the development of commercial website as well as a fully functional website that will be loaded onto a server.

A. Midterm Exam/Quizzes – 20%
   A midterm exam and frequent quizzes will be given to assess whether students are attending to the assigned readings and properly processing all material presented via lecture/demonstration.

C. Final Exam/Project – 30%
   The final exam will be given during the final class meeting and will be cumulative in nature. The final project will be completed over the course of 3 weeks and will include both the design and development of a site as well as documentation used for successful project management.

D. Evaluation is based on a total cumulation of points earned on all assignments and reflected as a percentage of 100.

Grading Scale
A= 100 - 90%
B= 89 - 80%
C= 79 - 70%
D= 69 - 60%
F= Below 60%