PELLISSIPPI STATE TECHNICAL COMMUNITY COLLEGE
MASTER SYLLABUS

PROFESSIONAL WEB DEVELOPMENT TOOLS
WEB 2000

Class Hours: 3.0  
Credit Hours: 3.0
Lab Hours: 0.0  
Revised: Fall 04

NOTE: This course is not designed for transfer credit.

Catalog Course Description:
This course is designed to enhance skills and knowledge of the professional Web author by using
cross-platform visual HTML editors for creating and managing Web sites and pages. The learner will
use a variety of techniques, tools, and activities designed to develop pages for the
commercial/professional Web developer standard. The learner will plan, design, develop, and test fully
compliant Web pages which conform to the specification given.

Entry Level Standards:
Basic knowledge of Adobe Photoshop® and Layout Design

Prerequisites:
WEB 2200; or OST 2801 and 2802 and 2803; or CIST 2645 or equivalent for WEB majors; no
prerequisite for CGT majors

Textbook(s) and Other Course Materials:
The Dreamweaver MX studio or Studio MX2004 can be purchased from below links: I highly
recommend that you buy StudioMX 2004 which can be purchased from the second link below. Please
notice, at the present time there is no training CD for Studio MX 2004. We will be using the VTC
training CD entitled Dreamweaver MX fundamentals. You are responsible for the subtle changes of the
new version. Please visit Macromedia and learn about the new features of MX 2004.
http://store.yahoo.com/needsoftware/academic-software-macromedia-studio-mx.html
http://store.yahoo.com/needsoftware/c20603.html
You also need to purchase a CD entitled “Macromedia Dreamweaver MX Fundamentals by calling
VTC at 888-872-4623. You must give them my name and your educational discount number
#A190211. This number will entitle you to a 50% discount on the original price of $99.95. To visit
VTC for more information please click on the link below.
VTC Training Tutorials on CD and Online
I will also send you a CD entitled “Professional Web Development Tools 2000”. You will use this CD
to learn about Fireworks. Please note that this CD covers Fireworks 4. You will need to update you
information about the new features of Fireworks MX 2004 by reading over the assigned book and also
visiting Macromedia site at: macromedia
Note: If you participate in the orientation for this course, you can pick up your copy of the
“Professional Web Development Tools 2000” CD at this event. Otherwise make sure to email me your
mailing address so I can send you a copy by mail.
http://www.macromedia.com/software/fireworks/?promoid=home_prod_fw_082403

Textbooks:
Macromedia Dreamweaver MX 2004 (training from the source by Khristine AnnwnPage. Published by
Macromedia Fireworks MX 2004 (training from the source by Patti Schulze. Published by Macromedia
Both books can be purchased at:
Pellissippi State Bookstore
Peachpit.com
Macromedia

After enrolling for this course, go to WebCT under the topic “Read Me First” you will find all the necessary information on how and when to use your accompanied CD entitled "Professional Web Development Tools 2000" containing all the lessons/lectures on Fireworks 4 and Dreamweaver 4.

Note: We will use this CD only for the section on Fireworks.

I. Week/Unit/Topic Basis:

Under the topic Lessons in the light green navigation bar section of the WebCT you will find Weekly Topics that relates directly to each week topic that we will cover during that week. Use your CD to learn all the material for that particular week. Under the Lessons Topic You also find project assignments, homework, reading assignments and important deadlines. To ensure that you do not miss any deadline, I have also included all the important dates in the Calendar and Schedule Topic in the light green navigation bar section of the WebCT. Make sure you check these two places on a regular basis to prevent missing important information as well as important deadlines.

Each student will develop an actual Web site. This Web site project will be completed in sections. Approximately every two weeks a section of your final project is due and must be submitted to me from WebCT navigation section/Projects for evaluation. Questions concerning the course may be addressed to the instructor via e-mail, telephone, or by visiting the instructor during office hours. " I will post my office hour in the " Welcome to web 2000" thread under the discussion section of WebCT.

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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| 1    | – Integration of Fireworks into Dreamweaver  
– Drawing Objects and Editing Objects  
– Optimizing Graphics  
– Slicing Images |
| 2    | – Exporting Sliced Objects  
– Adding Interactivities to Slices  
– Creating Buttons  
– Understanding Rollovers |
| 3    | – Creating Disjointed Rollover  
– Converting Firework Rollovers into Buttons  
– Creating and Importing Documents  
– Assigning URL Links to Rollovers |
| 4    | – Introduction to Dreamweaver Environment and Concept  
– Dreamweaver and Other HTML Editors  
– Dreamweaver Preferences  
– Planning and Managing a Web Site  
– HTML Overview |
| 5    | – Customizing Palettes  
– Creating a New Web Site  
– Working with the Site Window  
– Setting Document Properties  
– Importing an Existing Web Site |
| 6    | – Image Properties  
– Inserting Images |
– Creating Tables
– Table Width and Height
– Colorizing Tables

7
– Setting Table Properties
– Cell Padding and Spacing
– Merging Cells
– Splitting Cells

8
– Nesting Tables
– Importing Table Data
– Sorting Tables
– Formatting Tables

9
– Adding Text
– Formatting Text
– Formatting with HTML Style

10
– Introduction to Layers
– Convert Layers to Tables and Tables to Layers
– Introduction to Links
– FTP and E-mail Links
– Creating Anchors

11
– Introduction to Forms
– Forms with CGIs
– Advanced Images
– Working with HTML files
– Creating Dreamweaver Rollovers

12
– Creating and Using Server Side Includes
– Introduction to Behaviors
– Using Libraries

13
– Introduction to Templates and Dynamic HTML
– Creating and Using Templates
– Creating Timeline Animations

14
– History Pallets and Commands
– Converting History Steps into Commands
– Uploading and Downloading
– Check In and Check Out

15
– Final Exam

II. Course Objectives:

A. Understand Web Technology and Web Authoring Environment using Dreamweaver and Fireworks. I, IV
B. Import Layouts and Web Elements from Fireworks to Dreamweaver. I, III, IV
C. Understand Web Layout Design and Integration of Graphic & Text Elements. II
D. Exhibit knowledge of Site Management Techniques. II, VI
E. Understand Hyperlinks vs. Anchor links and Image Maps. I, II
F. Address Compatibility Issues with Different Web Browsers and Different Computer
G. Deal with Formatting Text and Using CSS (Cascading style sheets). I, III

*Roman numerals after course objectives reference goals of the WEB program.

III. Instructional Processes*:

Students will:

1. Practice elements of the work ethic such as professionalism, preparedness, punctuality, honesty, cooperation, dependability, contribution, effectiveness, and good manners.  
   *Transitional Strategy*

2. Participate in a project development team. *Communication Outcome, Transitional Strategy, Active Learning Strategy*

3. Use professionally accepted methods and materials in completion of projects.  
   *Technological Literacy Outcome, Transitional Strategy, Active Learning Strategy*

4. Use a variety of methods to present findings from research. *Communication Outcome, Transitional Strategy, Active Learning Strategy, Information Literacy Outcome*

*Strategies and outcomes listed after instructional processes reference TBR’s goals for strengthening general education knowledge and skills, connecting coursework to experiences beyond the classroom, and encouraging students to take active and responsible roles in the educational process.

IV. Expectations for Student Performance*:

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

1. Use Dreamweaver and Fireworks skillfully. A,B

2. Understand Dreamweaver and Fireworks Structure and Interface. A,B

3. Use Layers, Timeline, and Tables. A,G


5. Prepare Images for Web. E,F,G

6. Work with Dreamweaver and Fireworks Preferences. A,B

7. Develop a Functional and Aesthetic Web Site that is Platform Independent. F

8. Meet Deadlines. D

9. Participate in Online Group Discussions and Critiques. D

*Letters after performance expectations reference the course objectives listed above.

V. Evaluation:

A. Evaluation Procedures:

Students final grade for this course is based on 4 categories:

1. There are 13 weekly quizzes. The total grade for these quizzes will count as one grade.
2. The layout design for the student's selected site will be counted as one grade.
3. Turning assignments in via email will count as one grade.
4. Completing the assigned web site (Final Project) will count as one grade.
The students final grade will be determined by averaging the total of these 4 grades.

Note: Your Final Project is extremely important in evaluation of your final grade. I encourage you to put a 100% effort on your Final Project. All the quizzes and assignments are there to give you enough experience and knowledge which in return must be reflected in the creation of your selected website (Final Project).

B. Grading Scale:

A    90-100
B+   85-89
B     80-84
C+   75-79
C    70-74
D    65-69
F    64 and below

VI. Policies:

A. Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding videotape and Web courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. (Pellissippi State Catalog)

B. Academic Dishonesty:

Students are expected to submit only work their own. Do not collaborate on work with other students unless it is a group project. Failure to observe these rules could result in the student receiving a failing grade or being dismissed from the class with a grade of F.

Plagiarism, cheating, and other forms of academic dishonesty are prohibited. Students guilty of academic misconduct, either directly or indirectly through participation or assistance, are immediately responsible to the instructor of the class. In addition to other possible disciplinary sanctions which may be imposed through the regular Pellissippi State procedures as a result of academic misconduct, the instructor has the authority to assign an F or a zero for the exercise or examination or to assign an F in the course. (Pellissippi State Catalog)

C. Accommodations for disabilities:

If you need accommodation because of a disability, if you have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, please inform the instructor immediately. Privately after class or in the instructor's office.

To request accommodations students must register with Services for Students with Disabilities: Goins 127 or 131, Phone: (865) 539-7153 or (865) 694-6751 Voice/TDD.

D. Other Policies:

Facilities: Students must have a valid Pellissippi ID to be presented on demand to gain access to Pellissippi facilities.

Some exams are to be taken at the Testing Center at Pellissippi State. Policy requires that students have a photo ID to take a test in the Testing Center. Children are not allowed in the Testing Center. For location, hours, etc., refer to the Testing Center web site.

If a student is taking this course at a distance and cannot come to the Pellissippi State Testing Center, it is the student's responsibility to make arrangements for a proctored exam. Contact your instructor to discuss this matter.
Hardware Requirements for This Course

IBM-type criteria:

- Pentium Computer 300 MHz minimum (Pentium III/750 MHz preferred) processing speed
- 64 MB RAM (128 MB RAM preferred)
- Monitor capable of at least 800 x 600 resolution
- CD-ROM (DVD preferred) Drive
- 56 kbps modem with Internet access (high speed such as cable modem or DSL recommended, if possible)
- Speakers and 16 bit sound card
- Operating System: Windows 98 or higher

Macintosh criteria:

- PowerPC minimum (G3/300 MHz preferred)
- 64 MB RAM (128 MB RAM preferred)
- Monitor capable of at least 800 x 600 resolution
- CD-ROM (DVD preferred)
- 56 kbps modem with Internet access (high speed such as cable modem or DSL recommended, if possible)
- Speakers
- Operating System: Macintosh 8.5.1 or higher (Mac OS 8.6 or higher preferred)