

## Web Design

- I. Course Description:

This one semester elective course will use 10 tutorials on 6 CD-ROMs to instruct the student in basic Web fundamentals using such programs as: FrontPage 2000, FrontPage 2002, Dreamweaver 4, Dreamweaver MX, Photoshop 6, Photoshop 7, Publisher 2002, HTML Fundamentals and HTML Advanced.
- II. Instructional Materials:

Professor teaches How to Create Web Pages. CD-ROM. Pleasanton, CA: Individual Software Inc., 2002.
- III. Course Goals and Objectives:
  - A. Students will:
    1. Be able to use a variety of commonly used tools within the field of Web Development such as FrontPage, Dreamweaver, Photoshop and Publisher.
    2. Be able to create and maintain web pages hosted on the internet.
    3. Design, produce and maintain an original Website using knowledge from this course.
- IV. Course Outline:
  - A. Web Design Fundamentals:
    1. Designing Images for the Web
    2. The Web Environment
    3. Secrets of Great Web Pages
    4. Selecting a Color Scheme
    5. Determining Your Message
    6. Advanced Design Features
    7. Creating a Web Page
    8. Laying Out the Site
    9. Arranging Text on a Page
    10. Finalizing the Design
    11. Cool Tools for Web Work
    12. Page Templates
  - B. HTML Fundamentals:
    1. What is HTML?
    2. Rules of Syntax
    3. Building a Document
    4. Using Colors
    5. Adding Spaces and Line Breaks
    6. List Elements
    7. Building a Table
    8. Aligning Tables and Text

9. Creating a Hyperlink
  10. Creating a Frameset
  11. Inserting Inline Images Aligning and Formatting Images
- C. HTML Advanced:
1. Creating an Imagemap
  2. Creating a Login Form
  3. Applying the Cascading Model
  4. Responding to User Events
  5. Adding Fields
  6. Embedding Flash Animation
  7. Using Style Sheets '
  8. Applying Backgrounds
  9. Controlling Page Layout
  10. Formatting Text and Fonts
  11. Writing Javascript
  12. Adding Audio
- D. FrontPage 2000 & 2002:
1. Working with Templates
  2. Importing and Formatting Text
  3. Using Themes
  4. Feature Elements
  5. Applying Effects to Pictures
  6. Adding Hyperlinks
  7. Applying a Theme to your Web
  8. Maintaining the Task List
  9. Customizing a Web Theme
  10. Creating an Image Map
  11. Including a Search Form
  12. Creating a Table
- E. Photoshop 6 & 7:
1. The Photoshop Workspace
  2. Opening and Navigating Images
  3. Creating Selections
  4. Working with layers
  5. Fill and Adjustment Layers
  6. Creating a Selection Mask
  7. Adjusting Color
  8. Using the Drawing Tools
  9. Working with Filters
  10. Retouching Images
  11. Optimizing Files for the Web
- F. Publisher 2002:
1. Using the Catalog
  2. Building Blocks of a Publication
  3. Modifying Page Layout
  4. Using Rulers and Guides

5. Creating Text Styles
  6. Adding Bullets and Numbering
  7. Creating a Table Frame
  8. Using Border Art
  9. Using the Design Gallery
  10. Inserting Clip Art
  11. Converting a Publication for the Web
  12. Creating Web Pages
- G. Dreamweaver 4 & MX
1. Setting Up the Site Structure
  2. Creating a New Document
  3. Working with Layers
  4. Creating Text and Image Links
  5. Importing an HTML Document
  6. Creating a Template
  7. Inserting Images
  8. Creating Tables and Forms
  9. Working with the Site Map
  10. Inserting a Vavigation Bar
  11. Formatting Options
  - 12.
- V. Teaching Methods:
- A. 10 Program Tutorial Set on 6 separate CD's
  - B. Interactive computer lessons
  - C. Computer exercises and quizzes to show knowledge of new skills
  - D. Computer lab time to design website pages
  - E. Discussion with teacher
- VI. Evaluation:
- A. Completion of 10 interactive tutorials on 6 CD's
  - B. Complete computer CD quiz questions at the end of each chapter for each CD-ROM.
  - C. Design original Website
  - D. Design web pages to place on Website
- VII. Grading Scale:
- 90-100 = A (on quizzes, quality of work, etc.)  
80-89 = B  
70-79 = C  
60-69 = D  
59 and below = F