

Web-based Instructional Tools - Advance

This course is intended to prepare you to develop and maintain multiple basic websites.

Contact Information and Office Hours:

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Course Description

This course focuses on web page development technologies and is structured to expose students to various technologies that improve web site management and planning. Students will interact with a site management/development tool (e.g., Dreamweaver), FTP, and course management system (e.g., WebCT). They will work with information and layout principles to develop a series of web sites that incorporate web technologies such as Server Side Includes, Javascripts, and server independent management techniques.

Course Objectives

At the end of this course, students should be able to:

- construct and connect multiple web sites
- use Dreamweaver's Site Management Functions (e.g., DW Libraries and DW Templates)
- incorporate JavaScript
- plan a large web site
- use server side includes
- incorporate cascading style sheets into a site
- discuss frames and when they should be used
- use ADA friendly page layouts and Bobby
- build a form and have a basic understanding of what is required to make one active on the web

Prerequisite Skills

I have to assume that students have some basic computer skills upon entering the course. For the beginning sections of this course, these include the

- experience writing and uploading basic HTML 3.2 pages
- experience using a web editor such as Dreamweaver 3
- experience with file transfer protocol (FTP)
- a valid Mason account
- file and folder management in a windows environment

Textbooks Two required texts:

- Information Architecture for the World Wide Web by Rosenfeld and Morville, published by O'Reilly
- Web Design in a Nutshell, A Desktop Quick Reference by Niederst, published by O'Reilly

Suggested/Recommended Texts:

- Writing Online, A Student's Guide to the Internet and World Wide Web
- Web Style Guide, Basic Design Principles for Creating Web Sites by Lynch and Horton, published by Yale University Press

Materials: Each student will be required to bring at least two diskettes to each class. Students will not be permitted to save work on the harddrive.

Note: Purchasing Macromedia Dreamweaver HTML editor is NOT required but maybe useful to have. It is available at Patriot Computers for about \$99. You should find the software useful for far more than this class; however if you would rather not buy it, you need to know that only GSE support classrooms support Dreamweaver at this time.

Attendance Requirements

This is a synchronous, face-to-face skills course. A significant amount of information and instruction will be provided in class. Missing a class could directly impact your ability to accomplish your assignments.

If you miss a class, it is your responsibility to get with a fellow class mate and stay

caught up.

Grading Scale

100-93 = A

92-89 = A-

88-80 = B

79-70 = C

69-60 = D

59-0 = F

Privacy and Copyright

The electronic media we use in this course create new questions about copyright and privacy.

These few policies are a good faith attempt to let students know their rights.

1. This course will adhere to all copyright and privacy laws and guidelines established by law enforcement and GMU.
2. All materials posted remain under copyright of their authors. Individual authors also retain the right and the technical ability to delete their own messages for the foreseeable future
3. Posted materials will generally be available to all Internet users.
4. Assume that your posted materials will not be deleted; what you post here will remain for the foreseeable future unless you specifically delete it.
5. All materials are posted "as-is," which may include viruses (in, say MS-Office attachments)

Academic Honesty

This course will adhere to the GMU Honor Code, which is detailed in the course catalog and at

<http://www.gmu.edu/catalog/acadpol6.html>. As part of the code, I am required to explain what I expect for honest work:

You are encouraged to collaborate freely with your peers throughout the course. However I expect your graded writing in the course to be 100% your own work, e.g. your forum posts, rationale and specification documents, and web site copy should be original and done without significant assistance. Copyright laws should be adhered to

in all your work.

Problems with academic honesty will be handled as suggested in the GMU Honor Code.