**BARTON COMMUNITY COLLEGE**

**COURSE SYLLABUS**

# **GENERAL COURSE INFORMATION**

Course Number: GRPH 1049

Course Title: Web Site Construction

Credit Hours: 3

Prerequisites: None

Division/Discipline: Technical Division/Business Technologies

Course Description: This course offers students the chance to explore current software and hardware used to construct web pages on the Internet. There will be a pronounced emphasis on information layout, forms, and JavaScripting. Students will be exposed to one or more popular web page layout applications, the use of which will save time and countless keystrokes in the coding process. The scripting component of this course will focus heavily on programming concepts rather than techniques, preparing the student for much heavier programming. Other Web related topics covered include: animation, frames, forms, CGIs, external media, plug-ins, and current technological trends in web page mastery.

# **INSTRUCTOR INFORMATION**

# **COLLEGE POLICIES**

## Students and faculty of Barton Community College constitute a special community engaged in the process of education. The College assumes that its students and faculty will demonstrate a code of personal honor that is based upon courtesy, integrity, common sense, and respect for others both within and outside the classroom.

## Plagiarism on any academic endeavors at Barton Community College will not be tolerated. The student is responsible for learning the rules of, and avoiding instances of, intentional or unintentional plagiarism. Information about academic integrity is located in the Student Handbook.

## The College reserves the right to suspend a student for conduct that is determined to be detrimental to the College educational endeavors as outlined in the College Catalog, Student Handbook, and College Policy & Procedure Manual. (Most up-to-date documents are available on the College webpage.)

## Any student seeking an accommodation under the provisions of the Americans with Disability Act (ADA) is to notify Student Support Services via email at [disabilityservices@bartonccc.edu](mailto:disabilityservices@bartonccc.edu).

# **COURSE AS VIEWED IN THE TOTAL CURRICULUM**

This course will provide opportunities for students to extend their knowledge and provide hands-on experience in creating various types of Internet-based information resources. Issues will be explored which have impacted on, or will impact on, the information community. This course represents one course in the Graphic Design Media Specialist Program. Students completing the Graphic Design Media Specialist Program receive an Associate in Applied Science Degree. This program is not designed for transfer but the course may be accepted as an elective at some institutions.

Please see instructor for transferability. The transferability of all college courses will vary among institutions, and perhaps even among departments, colleges, or programs within an institution. Institutional requirements may also change without prior notification. Students are responsible to obtain relevant information from intended transfer institutions to insure that the courses the student enrolls in are the most appropriate set of courses for the transfer program.

# **ASSESSMENT OF STUDENT LEARNING**

Barton Community College is committed to the assessment of student learning and to quality education. Assessment activities provide a means to develop an understanding of how students learn, what they know, and what they can do with their knowledge. Results from these various activities guide Barton, as a learning college, in finding ways to improve student learning.

Course Outcomes, Competencies, and Supplemental Competencies:

1. Construct web pages using various software packages
   1. Define structure considerations vital to a successfully functioning web site.
   2. Describe the history and technology driving the Internet, the WWW, and web browsers.
   3. Explain how the Web differs from other kinds of media.
   4. Explain cognitive, content, and experiential design considerations and techniques.
   5. Plan the structure of a web site based on purpose and content.
   6. Categorize your audience and plan your Web site structure accordingly.
   7. Identify major theories of organizing information for electronic transmission.
   8. Create layouts of logical information structures.
2. Acquisition of HTML editors and graphic libraries and sites for storing web pages
   1. Redesign text and graphics for the Web.
   2. Build navigational controls and imagemaps into your site.
   3. Generate and edit html using a simple text editor.
   4. Identify and modify HTLM tags.
   5. Design pages with formulas, tables, and frames.
   6. Incorporate animations and motion graphics.
   7. Use meta information effectively.
   8. Create forms.
   9. Understand changing site design technologies and language as significant to efficient authoring.
   10. Demonstrate an understanding of the use of graphical elements in the design and layout a site and other electronic resources.
   11. Prepare Hyper Text Markup Language (HTML) documents, with integrated graphic elements and links to internal and external World Wide Web resources.
3. Utilizing new technology, both software and hardware
   1. Demonstrate knowledge of Internet trends.
   2. Test and publish web sites to a web server.
   3. Learn to locate IPPs/ISPs.
   4. Utilize various technologies to enhance web pages.
   5. Analyze the literature treating the trends and developments of Electronic Resources.

# **INSTRUCTOR'S EXPECTATIONS OF STUDENTS IN CLASS**

# **TEXTBOOKS AND OTHER REQUIRED MATERIALS**

# **REFERENCES**

# **METHODS OF INSTRUCTION AND EVALUATION**

# **ATTENDANCE REQUIREMENTS**

# **COURSE OUTLINE**