

# Website Design II

## Course Information



Spring 2008  
Mr. Kyle Green

### **DESCRIPTION**

This course emphasizes standards-based and accessible website design using XHTML/HTML and CSS. Students will be introduced to basic design principles. Students will learn the primary functions of networks and the Internet as they pertain to websites. An extended lab activity will include building and configuring Apache Web servers. Dynamic, database-driven websites will be constructed using PHP and MySQL. *Prerequisite:* Web Design I with a grade of B or better and departmental approval

### **OBJECTIVES**

The primary goal of this course is to build on the student's fundamental skills learned in Website Design I. Students will be taught more advanced graphics skills to add to their flexibility in implementing a broad spectrum of design layouts. Students, working in teams, will be expected to design, create, and publish a real-world site.

In terms of skills-based knowledge, the student will learn how to: (a) process forms with basic CGI scripts, (b) create dynamic Web pages using PHP programming, (c) learn basic client-side scripting using Javascript, and (d) gain experience building an Apache Web server.

### **COURSE TOPICS**

1. Review: HTML/XHTML, and CSS
2. Networking Basics and the Internet
3. Design Principles
4. Information Architecture and Page Layout
5. Color and Graphics
6. Site Production
7. Forms and Processing
8. Client-Side Scripting: Javascript
9. Dynamic Pages: PHP and MySQL

### **REQUIRED MATERIALS**

- Course textbook: *An Introduction to Web Design and Programming* by Paul Wang and Sandy Katila
- One one-subject spiral notebook (For notes)
- Binder: students will be compiling an organized binder for classroom handouts
- Pen or pencil

### **SOFTWARE AND COMPUTER ISSUES**

Students must *either* (1) have access to a computer with internet connection at home *or* (2) be able to spend ample time at school in order to complete daily homework assignments. There is a Citrix portal available to students from home. Separate instructions are available for connecting to the school's network using Citrix.

In addition, students must submit the Technology Use Agreement in order to use the school computers.

### **CLASSROOM EXPECTATIONS**

Be in your seat logging in by the time the bell rings.  
Have all required materials for class.  
Respect all people and equipment in the classroom.

Unless otherwise noted, school rules outlined in the Student Handbook apply. Students must abide by the school's technology use policy. Students will use computers for classwork only.

Violations of classroom expectations will result in personal or school detentions, depending on the severity of the offense and the response of the student. Failure to appear for a personal detention will result in a school detention. Violations of the technology use policy will result in a loss of computer privileges and withdrawal from the class.

### **GRADING POLICY**

Emphasis will be placed on individual work; however, group projects will also be assigned. Students must meet deadlines given by the instructor. Late assignments will be dealt with according to the guidelines in the student handbook. Assignments more than two days late will not be accepted.

#### **Homework (45%)**

Daily homework will be used to give the student practice with certain aspects of web design. Projects will be done on both an individual and group basis during the semester. This grade component includes all types of homework.

#### **Tests and Quizzes (50%)**

Tests will be given at the end of every unit and will involve both hands-on, in-class programming and/or written questions meant to evaluate student understanding. Normally, quizzes will be given as a tool to evaluate students' understanding of class discussions. Tests have twice the weight of quizzes. Tests and quizzes are closed book.

#### **Effort (5%)**

You must strive for success in this class. Study hard, ask questions, be inquisitive, and take pride in your work. Points are gained for positive effort and subtracted for negative effort. These points count toward your course grade.

### **WEB PAGE**

I will keep a web page for my classes at the following URL: [www.TheTeacherOnline.com](http://www.TheTeacherOnline.com)

On the website, there will be useful web links students can use for research and assistance. Also, I will post notes and assignments.

### **CONTACT INFORMATION**

I can be reached by email or phone. Please do not hesitate to contact me.

Instructor: Mr. Kyle M. Green  
Email: [greenk@bmhs.org](mailto:greenk@bmhs.org)  
Web page: [www.TheTeacherOnline.com](http://www.TheTeacherOnline.com)  
School phone: 301.735.8401 x251