

# **COURSE OUTLINE**

## **MSFT-109**

### **Mastering Web Site Fundamentals**

3 Semester Hours

## **HOWARD COMMUNITY COLLEGE**

### **Description**

This course teaches new Web developers how to create static and dynamic hypertext markup language (HTML) pages. Students will learn basic Internet and intranet concepts. They will also learn about the technologies and Microsoft® tools that enable Web development. Students will learn how to create Web documents by using the Microsoft FrontPage® Web authoring and management tool and by editing the HTML tags directly. Students will create HTML documents that contain forms, standard controls, ActiveX™ controls, Java™ applets, and client-side script. They will also learn how to use the dynamic HTML and data binding features supported by Microsoft Internet Explorer version 4.0. Finally, students will learn how to publish and test Web pages on a Web server. (3 hours lecture, 1 hour lab)

### **Overall Course Objectives**

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

1. Identify technologies and supporting tools that enable Web development.
2. Create HTML documents that contain standard controls, ActiveX controls, Java applets, tables, forms, frames, images, and client script.
3. Use dynamic HTML. Create an HTML page that uses data binding to read data from a database.
4. Use Microsoft Office 97 to create and publish documents on a Web server.
5. Use FrontPage 98 to publish HTML documents on a Web server.

### **Major Topics**

- I. Internet Concepts
- II. Using Microsoft Internet Explorer 4.0
- III. Creating Basic Web Pages
- IV. Creating Forms
- V. Adding Client-Side Script
- VI. Adding Addictive Components
- VII. Using Dynamic HTML

- VIII. Accessing a Database
- IX. Using Microsoft Office Internet Features
- X. Publishing a Web Site

### **About Microsoft Curriculum at HCC**

When a student takes a Microsoft course at HCC, that student usually receives more instruction time than they would receive in other formats. Therefore, while taking Microsoft courses at HCC, the student may expect not only instruction from Microsoft materials but additional academic and practical exercises and course work to better equip the student not only for the corresponding certification exam but for eventual utilization in their professional endeavors.

#### **Course Requirements**

Grading/exams: Grading procedures will be determined by the individual faculty member but will include the following: two quizzes or exams and one lab activity.

#### **Other Course Information**

This course is a Network Administration core course.

This course is also intended for students who wish to become a Microsoft Certified Systems Engineer (MCSE).