

Common Course Outline
EBUS 153
Introduction to JavaScript E-Business
1 Semester Hour

The Community College of Baltimore County

Description

JavaScript is the primary client-side scripting language of the Internet. In this course, students will be introduced to DHTML, CSS and JavaScript to create interactive web pages. The ability to create dynamic web pages that employ a variety of effects such as roll-over images, and capabilities such as form processing and cookie management are central to conducting successful business transactions electronically.

Prerequisites: CINS 146 or permission of program coordinator

Overall Course Objectives

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

1. Describe the function of the document navigator, location, frame, history, window objects and the properties and methods associated with them;
2. Assess and change properties of the objects;
3. Perform methods associated with the objects;
4. Identify JavaScript events and event handlers;
5. Create a simple interactive page using the event driven document object model;
6. Validate form input;
7. Send the form data for server-side processing;
8. Produce a dynamically created Web page based on form input;
9. Perform computation using JavaScript functions;
10. Send forms output via e-mail;
11. Create internal and external style sheets;
12. Identify style properties and set values for them;
13. Create a roll-over image;
14. Create animation using images and DHTML;
15. Create a simple cookie;
16. Set an expiration date; and
17. Read a cookie.

Major Topics

- I. Basic Objects of the Document Object Model
- II. Interaction with Forms
- III. Dynamic HTML
- IV. Cascading Style Sheets
- V. Cookies

Course Requirements

Grading/exams: Grading procedures will be determined by the individual faculty member, will be provided the first week of class, and will include the following:

- A final exam -- 25%
- Graded projects -- 75%

Writing: The individual faculty member will determine specific writing assignments.

Other Course Information

- This is a required course for the Web Site Development Specialty of the Technology Track of the E-Business program.
- This course is taught online.

Individual faculty members may include additional course objectives, major topics, and other course requirements to the minimum expectations stated in the Common Course Outline.

Date Revised: 12/01/02