CIS 242 - Web Development II: JavaScript

5.0 Credits
Continuation of concepts and practice introduced in CIS 241. Topics include: embedding, inline and external scripts, functions, form validation, loops, conditional statements, strings, numbers, and DHTML. Prerequisite: CIS 241 with a minimum grade of 3.0.

Course Objectives

Upon successful completion of this course, students will be able to:

1. Use client-side scripting with well-formed Web pages. [REASON]
2. Recognize client-side variables and data types and the operations that can be performed on them. [REASON]
3. Write client-side functions, event handlers and control structures. [REASON]
4. Use the browser object-model to create scripts that control browser functionality. [REASON]
5. Verify form data through scripting validation. [REASON]
6. Create and implement client-side web applications. [REASON]
7. Use object-oriented programming within client-side scripting. [REASON]
8. Save state information through the use of hidden form fields, query-strings and cookies. [REASON]
9. Add interactivity to Web pages through the Document Object Model and Dynamic HTML. [REASON]
10. List the concepts of server-side programming. [COMMUNICATE]
11. Introduce database connectivity (time allowed). [REASON]