COLLIN COLLEGE

COURSE SYLLABUS

Course Information

Course Number: ITSE 1311

Course Title: Beginning Web Programming

Course Description: Skills development in web programming including mark-up and scripting languages. Additionally, the course focuses on use of HTML and CSS to create web sites and includes an introduction to JavaScript. ~~May include use of XHTML, CGI, JavaScript, and/or ASP. Introduction to structure and object oriented programming design. Students use Cascading Style Sheets (CSS), XHTML, and JavaScript to design and implement interactive web pages. Hands-on labs allow student to experience each topic.~~

Course Credit Hours: 3
Lecture Hours: 2
Lab Hours: 2

Student Learning Outcomes:

- **State-mandated Outcomes:** Upon successful completion of this course, students will:
  1. Demonstrate the use of markup and scripting languages. (SCANS: F1 – F16, C1, C3, C5, C6, C8, C10 – C14)
  2. Create interactive web pages. (SCANS: F1 – F16, C1, C3, C5, C6, C8, C10 – C14)
- **Additional Collin Outcomes:**
  1. Create a basic web site meeting HTML 5 standards, and validate that webpage with the W3C using the HTML 5 DOCTYPE. (SCANS: F1 – F16, C1, C3, C5, C6, C8, C10 – C14)
  2. Create a basic web site that uses CSS for site visual styling. (SCANS: F1 – F16, C1, C3, C5, C6, C8, C10 – C14)
  3. Differentiate between XHMTL and HTML markup requirements to create a well-formed and valid document. (SCANS: F1 – F16, C1, C3, C5, C6, C8, C10 – C14)
  4. Create a basic web page that demonstrates a rudimentary use of JavaScript. (SCANS: F1 – F16, C1, C3, C5, C6, C8, C10 – C14)

~~1. Create a basic web page meeting XHTML Strict standards, and validate that webpage with the W3C using the XHTML Strict DOCTYPE.~~
~~2. Create a basic web page using tables.~~
~~3. Create a basic web site using multiple pages all linked together.~~
~~4. Create a basic web page using a web page form that includes selection lists, option buttons, check boxes, command buttons, etc.~~
~~5. Create a basic web page that used inline styles and embedded styles.~~
~~6. Create an external style sheet and a web page that links to that style sheet.~~
~~7. Remove all styles from a webpage to an External Style Sheet without any loss of design, and validate the style sheet with the W3C.~~
~~8. Create a basic web page that demonstrates a working knowledge of JavaScript including the use of conditional statements, arrays, and loops.~~

Secretary's Commission on the Acquisition of Necessary Skills (SCANS) - SCANS skills are a group of foundational skills and workplace competencies that the Secretary's Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin's workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at:
http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook.*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.