COLLIN COLLEGE

COURSE SYLLABUS

Course Information

Course Number: ITSE 1374

Course Title: Mobile Web

Course Description: Course explores creating mobile web sites using HTML, CSS and JavaScript. Course will also explore creation of hybrid mobile applications for one or more mobile platforms. ~~Course will focus on mobile web development for smartphones. Course may provide a general overview of multiple mobile devices, or concentrate on a specific mobile device such as iPhone, Android, Blackberry or Windows mobile.~~

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

Prerequisite: ITSE 1311 ~~ITSE 2302~~ or consent of Instructor ~~or Department Chair~~

Student Learning Outcomes:

- **Collin Outcomes:** Upon successful completion of this course, students will:
  1. Identify design requirements for mobile web sites.
     (SCANS: F10, C11, C12, C13)
  2. Compare languages used for mobile application development.
     (SCANS: F8, F9, F11, C14)
  3. Create web-based mobile site or web-based application for specified mobile devices.
     (SCANS: F8, F9, F11, C14)
  4. Compare advantages and disadvantages of mobile web-based applications, hybrid applications and native applications.
  5. Identify best practices for creating secure mobile applications.

~~1. Compare mobile markup languages~~
~~2. Demonstrate delivering different designs to different devices~~
~~3. Demonstrate troubleshooting and debugging of mobile web sites.~~

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.