

CS 641 Mobile Web Content and Development

Course Number:	CS 641
Course Credit:	3 hrs credit
Prerequisites:	None
Course Title:	Mobile Web Content and Development

Description:

This course introduces students to creating mobile web sites and JavaScript-based apps for iOS and Android devices. Students will build a mobile web site taking advantage of current CSS and JavaScript features on mobile browsers, and learn responsive and “mobile first” web design techniques. Graphics programming with leading 2D and 3D libraries will be introduced. Performance optimizations to speed page loading and responsiveness will be covered. An JavaScript-based smart phone app using the latest Ionic SDK and Cordova library will be built as the course’s final project.

Course Objectives:

After successfully passing this course, the student will be able to:

- Prototype web sites and mobile apps using graphics programs.
- Create responsive web sites that adapt their layout and content for different browser sizes.
- Create mobile apps for both iOS and Android using the Ionic SDK.
- Visualize data in 2D or 3D using open source JavaScript libraries.
- Evaluate when JavaScript-based mobile app architectures are an appropriate choice.

Course Work: Each class starts with a quiz. There are reading assignments and a programming project each week. The last few assignments of the class are spent creating a mobile app, to be presented by each student on the last day of class. There are no mid-term or final exams.

Grading: Quizzes 40%, Programming Projects 40%, Final Project Presentation 20%

Attendance and Honesty:

The class follows Pace University’s policies on class attendance and academic honesty. Claiming other people’s work as yours will result in a reduced or failing grade.

Incomplete Grades

An Incomplete grade may be given to a student who has been providentially hindered from completing work required in a course, provided that semester attendance requirements have been met, most of the required work has been done, the student is doing passing work, and the student has made prior arrangements with the professor to complete the remaining

work at a later date. The grade of I must be removed in the following 6 weeks or it becomes an F. It cannot be removed by repeating the course.

Withdrawal Dates

The last day to drop/add a class or process a schedule change without tuition penalty is listed in the school's calendar. Details on how to withdraw from the course, tuition implications, and the final dates for doing so, are available in school publications, the Registrar's office, and from your academic advisors and faculty.

Academic Integrity

All members of the Pace community are expected to behave with honesty and integrity. Pace follows the following advisory for students on Academic Integrity:

Students must accept the responsibility to be honest and to respect ethical standards in meeting their academic assignments and requirements. Integrity in the academic life requires that students demonstrate intellectual and academic achievement independent of all assistance except that authorized by the instructor. The use of an outside source in any paper, report or submission for academic credit without the appropriate acknowledgement is plagiarism. It is unethical to present as one's own work the ideas, words or representations of another without the proper indication of the source. Therefore, it is the student's responsibility to give credit for any quotation, idea or data borrowed from an outside source. Students who fail to meet the responsibility for academic integrity subject themselves to sanctions ranging from a reduction in grade or failure in the assignment or course in which the offense occurred to suspension or dismissal from the University.

Individual schools and programs may have more specific procedures for violations of academic integrity. Therefore, students are encouraged to familiarize themselves with the academic integrity policies of the University and of individual schools and programs in which they are enrolled. Students penalized for failing to maintain academic integrity who wish to appeal such action must follow the appeal procedure outlined in the Grades Appeal Process section or that of the individual school or program in which they are enrolled if such school or program has a separate appeal procedure in place. (21) [http://pace.smartcatalogiq.com/en/2014-2015/ Graduate-Catalog/Academic/Academic-Policies-and-General-Regulations/ Grades-and-Academic-Standing/ Grade-Appeal-Process](http://pace.smartcatalogiq.com/en/2014-2015/Graduate-Catalog/Academic/Academic-Policies-and-General-Regulations/Grades-and-Academic-Standing/Grade-Appeal-Process)

The Seidenberg CSIS Academic Integrity policy is available at <http://www.pace.edu/seidenberg/seidenbergcurrent-students/academic-information-and-policies>.

Continuity Plan

In the event of a major campus emergency, course requirements, deadlines and grading percentages are subject to change when necessitated by revised course delivery, semester calendar or other circumstances. Information will be communicated online. If the course is not able to meet face-to-face, students should immediately read any announcements and/or alternative assignment. Students are also encouraged to continue the readings and assignments as outlined on this syllabus or subsequent syllabi.

Procedure for Students with Disabilities Who Wish to Obtain Reasonable Accommodations for a Course

The University's commitment to equal educational opportunities for students with disabilities includes providing reasonable accommodations for the needs of students with disabilities. To request an a reasonable accommodation for a qualified disability a student with a disability must self-identify and register with the Office of Disability Services for his or her campus. No one, including faculty, is authorized to evaluate the need for or grant a request for an accommodation except the Office of Disability Services. Moreover, no one, including faculty, is authorized to contact the Office of

Disability Services on behalf of a student. For further information, please see Resources for Students with Disabilities at [http://www.pace.edu/counseling-center/ resources-students-disabilities](http://www.pace.edu/counseling-center/resources-students-disabilities).