UNIVERSITY OF DENVER—COLORADO WOMEN'S COLLEGE

Proposed Syllabus for ITS 2410: Mobile Application Development

Fall Quarter/2014:   Tuesday, 6:00 – 9:50pm

Class Session Dates: Week 1: Sept. 9	Week 2: Sept. 16	Week 3: Sept. 23
Week 4: Sept. 30	Week 5: Oct. 7	Week 6: Oct. 14	Week 7: Oct. 21
Week 8: Oct. 28	Week 9: Nov. 4	Week 10: Nov. 11

INSTRUCTOR'S NAME:

János Füstös
Email: janos.fustos@du.edu

I will respond to email or voicemail messages within 48 hours.

PREREQUISITES:

ITS 1670 – 4 qtr hrs
Students are responsible for completing course prerequisites before registering for a class. Students may be removed from a course for which they have not fulfilled the prerequisite course work.

COURSE DESCRIPTION:

Students participating in this course will develop the basic skills required to create and maintain a responsive web sites. Students will publish all work in this class to their own folders in the University's web server.
This class leads students through the entire responsive Web site creation process, from start to finish, while developing and enhancing your HTML5, CSS, and visual design skills along the way. Students will learn how to create accessible and responsive Web sites that let users easily and quickly navigate through the published information, regardless of browser type, connection speed, or computing platform. Whether a Web site is built from scratch or is a redesign of an existing site, the principles presented in this class will help to deliver Web content in a more interesting, accessible, and visually exciting way.

STUDENT LEARNING OUTCOMES:

- Develop a good foundation in HTML5 and CSS3.
- Develop an understanding of multilevel responsive website planning and construction as well as information organization.
- Demonstrate the above by constructing a multi-level responsive website with basic navigation and interactivity using HTML5 and CSS3.
- Analyze and apply current and emerging trends in web technologies.
- Utilize online learning and professional development resources.

ACADEMIC INTEGRITY:

Colorado Women's College fully endorses the University of Denver's Honor Code and the procedures put forth by the Office of Citizenship and Community Standards. Academic dishonesty—including plagiarism, cheating, and falsification of data and research—is in violation of the code and will result in a failing grade for the assignment or for the course.

As student members of a community committed to academic integrity and honesty, it is your responsibility to become familiar with the DU Honor Code and its procedures (www.du.edu/honorcode).

REQUIRED TEXT:

Responsive Web Design with HTML5 and CSS3
Copyright © 2012 Packt Publishing
First published: April 2012
Production Reference: 1020412
Published by Packt Publishing Ltd. Livery Place 35 Livery Street Birmingham B3 2PB, UK.
ISBN 978-1-84969-318-9

COURSE REQUIREMENTS:

1.	Class participation	20
2.	Weekly assignments	160
3.	Midterm test	50
4.	Project	100
5.	Presentation	20
6.	Final test	50

1. Class Participation (20 points)

Students will be responsible for one article or news item to be discussed at the start of class. The article must be related to new and emerging web technologies. The student will summarize the major points of the article in writing, its importance and possible impact on current web solutions (one page), and discuss the relevance and/or future of the technology with the class (approx. 10 min). Students will have an opportunity to sign-up for one time slot on the first day of class. The assignment will be evaluated based on the article summary, the presentation, and the discussion. Please, do not ask me to review your assignments before you turn them in for a grade. Be confident in your solution and deliverables for the assignments.

2. Assignments (8x20 points)

Web development projects assigned each week for homework. Assignments are due by Sunday, 12:00 am (MST) each week. 20% of the total score obtained will be deducted for each day that the assignment is late.

3. Midterm and final tests (50 + 50 points)

Students will be required to take a midterm and a final test on Blackboard in class. The tests will cover material in readings and in class. No make-up tests.

4. Project & Presentation   (100 + 20 points)

Design and develop a website with final class presentation. Details will be announced in class.

Percentage	Grade
95-100	A
90-94	A-
87-89	B+
84-86	B
80-83	B-
77-79	C+
74-76	C
70-73	C-
67-69	D+
64-66	D
60-63	D-
0-59	F

ATTENDANCE AND PARTICIPATION:

Attendance is mandatory in all class sessions. Active participation in class and discussions is also required and will be a determiner in a student's final grade. An absence, for any reason, will result in forfeiting points for in-class student presentations. These may not be made up in another class session. If an emergency arises, it is the student's responsibility to contact her instructor.

A grade of incomplete will be granted only under special circumstances as determined by the instructor. http://www.du.edu/registrar/records/incompletepolicy.html

TECHNOLOGY USE IN THE CLASSROOM:

In order to create and maintain an optimal learning environment in the classroom, students should use technology appropriately as directed by the instructor for the purposes of the course. Work done on laptops, cell phones, and other devices that is not relevant to the class can hinder the process of communication and shared discussion of ideas that require full engagement by all participants.

ADA ACCOMMODATIONS:

Students who require accommodations under the Americans with Disabilities Act must contact the instructor to discuss their needs. Failure to notify the instructor immediately may hinder the college's ability to accommodate accordingly. Students with learning disabilities should also contact the University Disability Services Program at http://www.du.edu/studentlife/disability/ . University Disability Services houses the Learning Effectiveness Program (LEP) and the Disability Services Program (DSP).

OBSERVATION OF RELIGIOUS HOLIDAYS:

Students wishing to observe a religious holiday not celebrated on the academic calendar may do so provided advanced written notice is given the instructor during the first two weeks of the quarter. With advanced written notice, the absence will be considered an excused absence. For additional information, contact DU's Center for Religious Services (http://www.du.edu/crs/).

DIVERSITY, INCLUSIVENESS, RESPECT:

CWC has a core commitment to fostering a diverse learning community that is inclusive and respectful. Our diversity is reflected by differences in race, culture, age, religion, sexual orientation, socioeconomic background, and myriad other social identities and life experiences. The goal of inclusiveness, in a diverse community, encourages and appreciates expressions of different ideas, opinions, and beliefs, so that conversations and interactions that could potentially be divisive turn instead into opportunities for intellectual and personal enrichment.

A dedication to inclusiveness requires respecting what others say, their right to say it, and the thoughtful consideration of others' communication. Both speaking up AND listening are valuable tools for furthering thoughtful, enlightening dialogue. Respecting one another's individual differences is critical in transforming a collection of diverse individuals into an inclusive, collaborative and excellent learning community. Our core commitment shapes our core expectation for behavior inside and outside of the classroom.

COURSE SCHEDULE:

Class Session / Date	Class Topics	Preparation for Class	Assignments Due
Week 1: Sept. 9	✚ Getting Started with HTML5, CSS3, and Responsive Web Design • Examples of responsive web design – selecting your project • Creating and designing web pages; editors • Publishing your assignments on DU servers	Chapter 1: Pages 1-34	Sept. 14
Week 2: Sept. 16	✚ Web design principles - viewports • Creating site specifications • Designing and structuring responsive web content	Chapter 2: Pages 35-60	Sept. 21
Week 3: Sept. 23	✚ Fluid layouts • Context with proportional elements • Image resizing • CSS measurements and grid system	Chapter 3: Pages 61-96	Oct. 4
Week 4: Sept. 30	✚ HTML5 markup • Semantic elements • Structural elements • Media and accessibility	Chapter 4: Pages 97-136	Oct. 11
Week 5: Oct. 7	✚ CSS3 • New selectors • Web typography • Colors • Fonts	Chapter 5: Pages 137-174	Oct. 18
Week 6: Oct. 14	✚ Aesthetics with CSS3 • Shadows • Gradients • Backgrounds	Chapter 6: Pages 175-207	Oct. 25
Week 7: Oct. 21	✚ Transitions and animations • Transition properties • 3D effects • Animating with CSS3	Chapter 7: Pages 209-236	Nov. 1
Week 8: Oct. 28	✚ Forms with HTML5 • Parts of HTML5 forms • Creating input objects • Building and styling forms	Chapter 8: Pages 237-525	Nov. 8
Week 8: Nov. 4	✚ Forms • Specifying actions for processing • Creating input objects • Building and styling forms	Chapter 9: Pages 481-525	Nov. 8
Week 10: Nov. 11	Project presentation		Project due