N315
Online Document Development II

Spring 2014

Class Number: 33705
Class Time: Thursday, 12:00PM - 02:40PM
Class Room: IT-256
Credit Hours: 3

Instructor: Yikun Liu
Office: Room Room 360, Walker Plaza, 709 Indiana Ave.
Office Hours: Thursday 3:00 - 5:00
Email: (Please use Oncourse Message) or yikliu@umail.iu.edu

*Please note that this syllabus is subject to change as needed to suit the course.

--------------------------------------------------------------------------------------------------------

Course Description:
Advanced creation, publication, and management of interactive publications for online distribution with the inclusion of emerging technologies for a media-rich experience. Topics include interactive Web site development, animations for the Web, online interactive design, document conversion, file exchanges, and digital media development for online usage.

This course is designed for undergraduate students to get familiar with advanced web development techniques including advanced CSS, JavaScript, jQuery and jQuery-based frameworks. Throughout the semester, we will cover wide range of topics and techniques that are necessary for modern front-end web design and development.

Course Outcomes:
- Students should be able to consolidate knowledges and skills to develop a front-end website on his/her own.
- Students should be familiar with practices and procedures of utilizing third-party JavaScript/CSS libraries in their own projects.
- Students should also be able to design and develop simple web pages that are responsive to multi-platform access.
Statement of Values
IUPUI values the commitment of students to learning; of faculty to the highest standards of teaching, scholarship, and service; and of staff to the highest standards of service. IUPUI recognizes students as partners in learning. IUPUI values the opportunities afforded by its location in Indiana’s capital city and is committed to serving the needs of its community. Thus, IUPUI students, faculty, and staff are involved in the community; both to provide educational programs and patient care and to apply learning to community needs through service. As a leader in fostering collaborative relationships, IUPUI values collegiality, cooperation, creativity, innovation, and entrepreneurship as well as honesty, integrity, and support for open inquiry and dissemination of findings. IUPUI is committed to the personal and professional development of its students, faculty, and staff and to continuous improvement of its programs and services.

Principles of Undergraduate Learning (PUL)
- Core communication: written, oral and visual skills
- Core communication: qualitative skills
- Core communication: information resource skills
- Critical thinking
- Integration and application of knowledge
- Intellectual depth, breadth and adaptiveness
- Understanding society and cultural
- Values and ethics

University Policies
1. University Attendance Policy: Attendance is required. The University regulations state: "Students are expected to be present for every meeting of the classes in which they are enrolled." IUPUI faculty are required to submit to the office of the Register a record of student attendance through the semester, on which they will take action if the record conveys a trend of absenteeism. As a result, ATTENDANCE WILL BE TAKEN IN ALL CLASSES. An Attendance sheet will be passed out in class for each student to sign their name. If you do not sign your name while in class you will be marked absent. The instructor is not expected to remember who attended when, so signing the sheet while in class is important. Signing the attendance sheet for another student is absolutely prohibited. Any student found doing so will be in violation of university policies on ethics and/or conduct.

2. Bringing your children to class: University Policy states that: “Children are not permitted to attend class with parents, guardians, or childcare providers. This conduct has the effect of unreasonably interfering with an individual’s work or academic performance
creating an offensive learning environment.” “A student must not violate course rules as contained in a course syllabus, which are rationally related to the content of the course or to the enhancement of the learning process in the course.” [Code of Student Rights, Responsibilities, and Conduct, page 29]

3. Academic Dishonesty / Integrity / Plagiarism: Using another student’s work on a project or assignment, cheating on a test, or any other form of dishonesty or plagiarism will result in a grade of zero on that assignment and possibly an "F" in the course, and will be referred to the Dean of Students. All students should aspire to high standards of academic honesty. This class encourages cooperation and the exchange of ideas. For further reference, students may see: http://life.iupui.edu/dos/code.htm).

4. Values and ethics: Profanity or derogatory comments about or towards the instructor or any member of the class will NOT be tolerated. Violating this rule will result in a warning and if the offense continues, administrative action will be taken.

5. Code of Student Rights, Responsibilities and Conduct: All students are responsible for reading, understanding, and applying the Code of Student Rights, Responsibilities and Conduct of IUPUI. (Students can access www.iupui.edu/code for further information regarding the above points)

6. Disabilities Policy: In compliance with the Americans with Disabilities Act (ADA), all qualified students enrolled in this course are entitled to “reasonable accommodations." Please notify the instructor during the first week of class of any accommodations needed for the course. Students with learning disabilities must provide written verification for this policy to be recognized.

Class Policies

1. Attendance: Missing lecture time will affect your grade. Students are allowed two (excused or unexcused) absences before their grade will be affected. In other words, whether you are sick or have personal problems or issues for missing class, it will amount to the same. Missing class means you do not show for the whole or majority of the session. Starting from the third absence, 15 points will be deducted from the final class grade for every day of absence.

2. Assignment Submission: Unless notified earlier, no late submission is allowed. You will receive half points if your submission is 24 hours late from due time, 0 points if more than 24 hours late regardless of any reasons.
Required Text: None

There is no required text because everything you need to know can be found online. Given the fast development on various technologies, the ability to search for answers and solutions and learn to use them is essential for a web professional.

Here is a list of suggested books you could check out:

1. JavaScript Cookbook - Programming the Web. By Shelley Powers; Publisher: O’Reilly Media; Released: July 2010

Software:

IDE:
- Aptana
- WebStorm
- Adobe Dreamweaver

You can also use any text editor that you’re familiar with, for suggestions:
- Mac: you can have any of TextWrangler, Sublime Text (2 or 3) or Textmate
- Window: I recommend Notepad++ or Sublime Text;
- GNU/Linux: you can also download Sublime Text for free;

You should have access to any SFTP tools for file transferring:
- Cyberduck
- WinSCP
- FileZilla

You’ll have access to web4 server at Informatics for hosting files.
- web portal: http://in-info-web4.informatics.iupui.edu/~<user name>
- ssh in-info-web4.informatics.iupui.edu (login by your campus account)

Prerequisite: NEWM 101 and NEWM 215
- You should have basic knowledge of HTML and CSS.
- You should be able to construct basic webpage from scratch.
- You should know how to upload your html and dependent files onto your server.

Assignments:
- There will be 4 assignments and 1 final project.
• All assignments and project should be done individually.
• The due dates are usually 2-3 weeks after the assignments are sent out. See weekly schedule.
• In general, grading of assignments is based on both page presentation (how the web page looks and functions) and coding style (how well you write your code).

Presentation:
• Each student will be assigned a presentation in one of the lectures
• Present a JS/CSS library you find interesting and worth sharing
• The date will be assigned randomly
• 15-20 minutes of presentation at the end of the lecture

Exams
Both midterm and final exams are small projects that can be built within normal lecture time (2 hour 45 minutes). Both will be open exams, meaning you’re allowed to use Google or any other reference tools if you encounter any problems. You’re not allowed, however, to communicate between each other or call your friends to help you remotely.

Grading:
You grade toward the end of the semester is a composition of three main components:
1. Your assignments (12.5% x 4 = 50%).
2. Midterm (10%) and final exam (15 %)
3. Presentation (5%)
4. Final Project (10%)
5. Your attendance and participation during lectures (10%).

A+ = 97%-100%; A = 93%-97%; A- = 90%-93%;
B+ = 87%-90%; B = 83%-87%; B- = 80%-83%;
C+ = 77%-80%; C = 73%-77%; C- = 70%-73%;
D+ = 67%-70%; D = 63%-67%; D- = 60%-63%;
## Weekly Schedule:

<table>
<thead>
<tr>
<th>Week (Date)</th>
<th>Content</th>
<th>Homework Out</th>
<th>Homework Due</th>
<th>Presentat ion</th>
</tr>
</thead>
<tbody>
<tr>
<td>WK1 (Jan 16)</td>
<td>Introduction</td>
<td></td>
<td>HW1 Out</td>
<td></td>
</tr>
<tr>
<td>WK2 (Jan 23)</td>
<td>CSS3 I</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WK3 (Jan 30)</td>
<td>CSS3 II</td>
<td></td>
<td>HW2 Out</td>
<td></td>
</tr>
<tr>
<td>WK4 (Feb 6)</td>
<td>JavaScript the language</td>
<td></td>
<td>HW1 Due</td>
<td>Jessy</td>
</tr>
<tr>
<td>WK5 (Feb 13)</td>
<td>DOM and JavaScript</td>
<td></td>
<td></td>
<td>David</td>
</tr>
<tr>
<td>WK6 (Feb 20)</td>
<td>jQuery Part I : Basics</td>
<td></td>
<td>HW2 Due</td>
<td></td>
</tr>
<tr>
<td>WK7 (Feb 27)</td>
<td>jQuery Part II: Effects</td>
<td></td>
<td>HW3 Out</td>
<td>Kelsey</td>
</tr>
<tr>
<td>WK8 (Mar 6)</td>
<td>JQuery Part III: Events and AJAX</td>
<td></td>
<td></td>
<td>Bryant</td>
</tr>
<tr>
<td>WK9 (Mar 13)</td>
<td>Midterm Exam</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WK10 (Mar 20)</td>
<td><strong>Spring break</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WK11 (Mar 27)</td>
<td>Responsive Web Design: Using Media Query Part I</td>
<td></td>
<td>HW3 Due</td>
<td>Channie</td>
</tr>
<tr>
<td>WK12 (April 3)</td>
<td>Responsive Web Design: Using Media Query Part II</td>
<td></td>
<td>HW4 Out</td>
<td>Michele</td>
</tr>
<tr>
<td>WK13 (April 10)</td>
<td>Responsive Web Development: Using Frameworks Part I</td>
<td></td>
<td>Final Prj Out</td>
<td>Draper</td>
</tr>
<tr>
<td>WK14 (April 17)</td>
<td>Responsive Web Development: Using Frameworks Part II</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WK15 (April 24)</td>
<td>TBD</td>
<td></td>
<td>HW4 Due</td>
<td>Kerry</td>
</tr>
<tr>
<td>WK16 (May 1st)</td>
<td>TBD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WK17 (May 8th):</td>
<td>Final Exam</td>
<td></td>
<td>Final Prj Due</td>
<td></td>
</tr>
</tbody>
</table>