[Uros Jankovic](#)
Spring 2018-2019
Class number: 30413
Section number: 901
M 5:45PM - 9:00PM
Course homepage: http://facsrv.cs.depaul.edu/~ujankovi/

Summary

Students advance their scripting skills using javascript and jQuery to create interactive applications that run in a Web browser.

Course Goals

By the end of the quarter, students will be able to:

- develop interactive web pages using modern JavaScript
- use an API to learn and apply new methods
- dynamically generate layouts for an indeterminate number of display elements
- employ Ajax requests
- Use git for version control
- Use npm and node for basic server setup and package management.
- Look at modern frameworks (Vue, Angular, etc) and draw comparisons with jQuery and vanilla JavaScript

Texts

JavaScript & jQuery: The Missing Manual [Paperback]
David Sawyer McFarland (Author)
Publisher: O'Reilly Media, Inc.; Third edition
ISBN-13: 978-1-4919-4707-4

Recommended Text

Modern JavaScript: Develop and Design [Paperback]
Larry Ullman (Author)
Publisher: Peachpit Press; 1 edition (February 27, 2012)

Grading

1. Eight assignments: 35% (5 point each, 7 best out of 8)
2. Final Project: 15% (15 points)
3. Midterm Exam: 20% (20 points)
4. Final Exam: 30% (30 points)

On top of the regular assignments students will be given ten extra credit assignments worth one point each. These are not mandatory but will give the students a chance to earn extra points.

Students receiving more than 90% of possible points are guaranteed at least an A-, more than 80% at least a B-, more than 70% at least a C-, and more than 60% at least a D.

Policies

Students are expected to attend every class. Attendance will be informally kept even though it is not a part of the course grade.
Tests can be made up with a serious documented excuse (e.g. illness, death in the family) and must be arranged as soon as possible. Arrangements involving other excuses require prior permission from the instructor.
The goal of assignments is to practice the concepts taught in class. You are expected to do your own assignments. However, some collaboration with other students is allowed and even encouraged. The following types of collaboration are allowed:

- Discussing strategies for solving a problem

- Explaining why a Web page does not work

- Reviewing and testing someone else's Web pages

- Using HTML and JavaScript code provided by the instructor and texts

The following types of collaboration are not allowed:

- Copying someone else's HTML or Javascript code

- Literally telling someone what code to write

Engaging in these last two types of collaboration will be considered a violation of the university's policy on academic integrity. Violators will receive a 0 for the corresponding assignment and will be reported as required by the policy.

All assignments will be reviewed in class therefore no late submissions will not be accepted.

All grade challenges must be submitted in writing and include an explanation why the given score or grade should be reconsidered. All assignments will have to be submitted on d2l and git.

Prerequisites

The official course prerequisite is IT 130. Students should be familiar with elementary programming concepts including the use of variables, assignment statements and conditionals (e.g. if statements). Students should also have prior experience formatting web pages using HTML and CSS. This course is not intended for experienced programmers.

Tentative Schedule

1. Class overview, DOM basic intro into git, intro into jQuery. Intro, Ch. 1
2. Variables, stements, data types, built in functions, functions, loops debugging. Ch 2, 3
3. Arrays, Objects, Classes, Callback functions
4. jQuery in Detail, jQ vs vanilla js. Ch 4
5. Events
6. Review and Exam
7. Forms
8. Ajax and JSON
9. Regular expressions, npm, node.
10. Modern frameworks, js compilation, browser optimization, review.

School policies:

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class, posted under Announcements in D2L and sent via email.

Online Course Evaluations

Evaluations are a way for students to provide valuable feedback regarding their instructor and the course. Detailed feedback will enable the instructor to continuously tailor teaching methods and course content to meet the learning goals of the course and the academic needs of the students. They are a requirement of the course and are key to continue to provide you with the highest quality of teaching. The evaluations are anonymous; the instructor and administration do not track who entered what responses. A program is used to check if the student completed the evaluations, but the evaluation is completely separate from the student's identity. Since 100% participation is our goal, students are sent periodic reminders over three weeks. Students do not receive reminders once they complete the evaluation. Students complete the evaluation online in CampusConnect.

Academic Integrity and Plagiarism

This course will be subject to the university's academic integrity policy. More information can be found at http://academicintegrity.depaul.edu/ If you have any questions be sure to consult with your professor.

Academic Policies
All students are required to manage their class schedules each term in accordance with the deadlines for enrolling and withdrawing as indicated in the University Academic Calendar. Information on enrollment, withdrawal, grading and incompletes can be found

at
http://www.cdm.depaul.edu/Current%20Students/Pages/PoliciesandProcedures.aspx.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.

To ensure that you receive the most appropriate accommodation based on your needs, contact the instructor as early as possible in the quarter (preferably within the first week of class), and make sure that you have contacted the Center for Students with Disabilities (CSD) at:

Lewis Center 1420, 25 East Jackson Blvd.

Phone number: (312)362-8002

Fax: (312)362-6544

TTY: (773)325.7296