CIS 246 - Web Dev VI: JavaScript Frameworks

COURSE INFORMATION

- Quarter: Spring, 2018
- Credits: 5
- Course Mode: Online Course
- Course Description: Students will investigate and use the advanced techniques available in JavaScript frameworks (libraries) such as JQuery, AJAX, MooTools, and Prototype.
- Prerequisites: CIS 242 with a minimum grade of 2.5 or equivalent experience.

INSTRUCTOR INFORMATION

- Instructor Name: Louis HO
- Office Hours: 1pm - 5pm Monday, Wednesday
- Office Location: Alderwood Hall 235A
- Phone: 425-640-1308
- Email: louis.ho@email.edcc.edu
- Best Way to Contact: Edmonds CC email.

COURSE MATERIALS

- Textbook
    - Author: WEB DEVELOPMENT WITH JQUERY
    - Publisher: RICHARD YORK
    - Date of Publication: March 5, 2015
    - ISBN number: 9781118866009
- Required and/or Optional Materials: You must have regular and timely access to a computer with an internet connection.
- Computer Resources: Computers are available in a wide variety of locations across campus. The campus also has a wireless network available for students. See computer facilities (full URL: http://students.edcc.edu/acs/facilities.html) for a complete list of locations and resources, and see START at www.edcc.edu/online/start for student technical assistance.

LEARNING OBJECTIVES

- **Course-level Learning Objectives (CLOs).**

  1. Make clear decisions about the advantages-disadvantages of using advanced scripting techniques over other Web technologies.
  2. Create intermediate websites using JQuery, AJAX, MooTools, and other JavaScript framework libraries.
  3. Read, modify, and create XML documents through AJAX libraries.
  4. Create advanced user interface using MooTools, JQuery, and Prototype.
  5. Incorporate advanced scripting techniques into Web pages and websites.
  6. Make clear decisions and use the appropriate JavaScript framework technology as needed within a Web page or site.
  7. Create clear and useful documentation of technologies to create a Web page or site.
  8. Communicate assumptions and choices made in the techniques used to create websites.
  9. Engage in conversations about the different development tools and technologies used to create websites.
  10. Communicate the advantages and disadvantages of each of the different JavaScript framework technologies.
  11. Demonstrate the ability to work collaboratively within groups.
  12. Apply the appropriate tools and technology to facilitate sustainable websites.

- **Certificate and Degree (Program-level) Learning Outcomes (PLOs).** • This course is part of Computer Information Systems - Web Application and Cloud Developer Associate of Technical Arts Degree, and assesses student achievement of these specific outcomes:
  o Communication Skills (minimum 5 credits)
    ▪ OUTCOME: Communicate and interact effectively through a variety of methods appropriate to audience, context, purpose, and field/discipline.
  o Human Relations and Professional Development Skills (6-7 credits)
    ▪ OUTCOME: Act responsibly in applying professional and academic standards associated with personal wellness; sustainable management of resources; and/or with success in educational, workplace, community, and team settings.
  o Quantitative Analysis/Symbolic Reasoning Skills (minimum 5 credits)
    ▪ OUTCOME: Reason clearly using academic or professional modes of inquiry; using quantitative or symbolic reasoning; and/or using other discipline/field specific methods to explore and create ideas; identify information needs; process, evaluate, and use information; and recognize, analyze, and solve problems.
  o Cultural Diversity Skills
    ▪ OUTCOME: Explore and apply multiple perspectives in order to examine cultural differences and influences; maintain effective

professional/working relationships; and/or interact effectively in multicultural settings.
- o Program Requirements (75 credits)
    - ▪ OUTCOMES:

    1. Build and maintain websites, mobile apps, and Android and IOS sites.
    2. Research, assess, and appropriately apply updated emerging technology to support websites as needed in industry.
    3. Work with management, development teams, or stakeholders to create websites.
    4. Comply with the ethics related to the use of copyrighted materials and intellectual property rights.
    5. Demonstrate an entrepreneurial approach to website/page development.
    6. Describe, create, and implement databases technologies relative to website development and maintenance.
    7. Analyze, implement, and apply the systems development lifecycle (SDLC) methods and tools to meet the website development needs of a business.

COURSE MODE

- This is an online course. Classroom time is replaced by content and activities that take place in a managed online classroom (eLearning class). However, the contact hours are flexible and assignments and communication can take place at home or any place with a computer and Internet access. For more information about taking an online class, visit eLearning at EdCC (full URL: http://www.edcc.edu/elearning).

ASSIGNMENTS AND GRADING

- **Assessment Criteria and Grading Policies.** Point Distribution: assignments (160), quizzes and tests (60), projects (65) and Final Project (100). Rubrics for the assignments are specified in Canvas. See the Grade Table below for the grade point equivalents.
- **Attendance Policy.** Because this is an online course, your "class participation" is your daily activities in Canvas. You should check in on the course at least 3 times a week, to be sure that you don't miss any important announcements or information.
- **Make-up or Late Work**. Projects/assignments are due on the date indicated in Canvas. Projects/assignments received late will be marked 50% off if the assignment is not submitted by the stated date on the calendar. After the second week, no late assignment will be accepted. The final project will not be accepted late. No assignments will be accepted after the last class meeting of the quarter. No make-up tests or quizzes will be given unless prearranged. Prearranged is defined as: notifying the instructor of the inability to take the test or quiz before the scheduled time of the test or quiz. You must

make up the missed test or quiz within an agreed upon amount of time, no more than one week.

- **Policy on V and I Grades**. These can be found in the online college catalog (full URL: http://catalog.edcc.edu) on the Academic Requirements page, under Student Grades.
- **Policy on S, U, and N Grades**. These can be found in the online college catalog (full URL: http://catalog.edcc.edu) on the Academic Requirements page, under Student Grades.
- **Plagiarism Reference**. Reference Information (full URL: /syllabus/plagiarism-overview.html).
- **Institutional Withdrawal Policy**. Please see Instructor-Institutional Withdrawal Policy (full URL: http://www.edcc.edu/es/register/drop-policy.html)
- Please see the **Student Rights, Freedoms and Responsibilities** in the Edmonds CC online academic catalog: Edmonds Community College Policies (full URL: http://catalog.edcc.edu/content.php?catoid=23&navoid=6810). This document includes Guidelines for Student Conduct and information on disciplinary procedures.

- **GRADE TABLE**

Grade Points for Percentage of Points earned			Letter Grade Equivalency
4.0=95%	2.9=84%	1.8=73%	A = 4.0 - 3.9
3.9=94%	2.8=83%	1.7=72%	A- = 3.8 - 3.5
3.8=93%	2.7=82%	1.6=71%	B+ = 3.4 - 3.2
3.7=92%	2.6=81%	1.5=70%	B = 3.1 - 2.9
3.6=91%	2.5=80%	1.4=69%	B- = 2.8 - 2.5
3.5=90%	2.4=79%	1.4=68%	C+ = 2.4 - 2.2
3.4=89%	2.3=78%	1.4=67%	C = 2.1 - 1.9
3.3=88%	2.2=77%	1.3=66%	C- = 1.8 - 1.5
3.2=87%	2.1=76%	1.2=65%	D+ = 1.4 - 1.2

3.1=86%	2.0=75%	1.1=64%	D = 1.1 – 1.0
3.0=85%	1.9=74%	1.0=63%	F = 0.0

STATEMENT ON ACADEMIC INTEGRITY

Edmonds CC students shall demonstrate Academic Integrity. I am expected to report all violations of Academic Integrity (cheating and plagiarism) to the College. The College's database of such incidents will be monitored by the Office of the Vice President for Student Services. Data will be maintained for three years. Evidence of repeat incidents will result in additional action by the Office of the Vice President for Student Services as governed by the Student Code of Conduct. In this class, cheating and plagiarism will result in an assignment or grade penalty ranging from "0" on an assignment to an "F" in the course.

FINAL EXAM AND LAST MEETING OF CLASS

- The final exam will be due on WEEK ELEVEN, June 11, 2018, Monday.

SERVICES FOR STUDENTS WITH DISABILITIES

If you require an accommodation for a disability, please contact Services for Students with Disabilities at MLT 159, 425.640.1320 or **ssdmail@edcc.edu**.

COURSE EXPECTATIONS

- Students:
  - Submit all assignments online by the due dates specified in Canvas.
  - Send all assignments online in Canvas.
  - Ensure your name is on your assignment at the top of the first page.
  - Check the eLearning course site at least every 24 hours.
- Instructor:
  - I will return email messages within 24 hours, usually much sooner.
  - I will grade and return all assignments within seven days.
  - I will monitor the discussion board on a daily basis.
  - I will post all grades and points on the eLearning course student grade book.
- Successful completion of student responsibilities in this class requires online access to Canvas. You are expected to log in to your online classroom at least 3 times per week for a minimum of 2 hours. Instructions for access to Canvas and student technical support (full URL: http://www.edcc.edu/elearning).

STUDENT RESOURCES

Useful Student Resources (full URL: **http://www.edcc.edu/students**)
Academic Calendar (full URL: **http://www.edcc.edu/calendar/academic.html**)
Advising (full URL: **http://www.edcc.edu/advising**)
Center for Student Engagement and Leadership (full URL: **http://www.edcc.edu/csel**)
College Policies and Procedures (full
URL: **http://catalog.edcc.edu/content.php?catoid=23&navoid=6810**)
Counseling and Resource Center (full URL: **http://www.edcc.edu/counseling**)
Diversity Student Center (full URL: **http://www.edcc.edu/dsc**)
eLearning Information (full URL: **http://www.edcc.edu/elearning**)
Enrollment Services (full URL: **http://www.edcc.edu/es**)
Library, including online resources (full URL: **http://www.edcc.edu/library**)
Services for Students with Disabilities (full URL: **http://www.edcc.edu/ssd**)
Student Printing Information (full URL: **http://students.edcc.edu/acs/printing**)
Student Support Resources (full URL: **http://www.edcc.edu/support**)
TRIO (full URL: **http://www.edcc.edu/trio**)
Title IX and Gender Discrimination (full URL: **http://www.edcc.edu/titleix/what-is-titleix/definitions/gender-discrimination.html**)

Emergency Preparedness

The **Triton Alert System** (full URL: **http://www.edcc.edu/alert/triton**) will be used to send notifications regarding campus closures, emergency situations, or evacuation orders in the event of an emergency or inclement weather. Edmonds CC students and employees are automatically enrolled to receive Triton Alerts through their college email addresses. Sign up to receive text and voice messages on your mobile or home phones and/or additional email notifications to personal email addresses.

If inclement weather prevents me from getting to campus (and the college is open), I will leave an announcement in our eLearning class. I will try to get this information to you as early as possible so you don't come to campus and find that the class has been canceled. However, be sure to check the college's website to see if the college is closed and all classes are canceled.

Important Dates

Edmonds CC Academic Calendar: **http://www.edcc.edu/calendar/academic.html**.

Spring Quarter 2018

Date	Event
Apr. 2	**Spring quarter classes begin**
Apr. 4	**Last day online registration available for adding classes (after this date, instructor's permission needed to add most classes and waitlists are disabled)**
Apr. 6	**Financial Aid students must finalize their enrollment status by this date**
Apr. 6	**Last day for 100% refund (self-support classes have different dates)**
Apr. 13	**Graduation application submission deadline**
Apr. 13	**Last day before late petition required to register unless otherwise posted in schedule**
Apr. 13	**Last day to drop a class without a transcript entry**
Apr. 20	**Last day for 50% refund (self-support classes have different dates)**
May 11	**Non-instructional Day (no classes): College Open (Student Services closed)**
May 18	**Last day to withdraw, add a continuous enrollment class, or change credit/audit status**
May 21	**Registration for summer and fall quarters begins**
May 25	**Open enrollment for summer and fall quarters begins**
May 28	**Memorial Day: College Closed**
June 1	**Summer quarter 2018 financial aid application deadline**

June 11	**Web grading available to instructors through instructor briefcase**
June 12	**Final exams**
June 13	**Final exams**
June 14	**Final exams**
June 15	**Final exams**
June 15	**Last day of spring quarter**
June 20	**Grades are due**
June 22	**Grades available to students online**

Course Calendar

Date	Details	
Week1 - Wed Apr 2, 2018	Week 1 Lab	due Apr 9
	Week 1 Project	due Apr 9
Week2 - Wed Apr 9, 2018	Week 2 Lab	due Apr 16
	Week 2 Project	due Apr 16
Week3 - Wed Apr 16, 2018	Week 3 Lab	due Apr 23
	Week 3 Project	due Apr 23
Week4 - Wed Apr 23, 2018	Week 4 Lab	due Apr 30
	Week 4 Project	due Apr 30
Week5 - Wed Apr 30, 2018	Week 5 Lab	due May 7

Date	Details	
	Week 5 Project	due May 7
Week6 - Wed May 7, 2018	Week 6 Lab	due May 14
	Week 6 Project	due May 14
Week7 - Wed May 14, 2018	Week 7 Lab	due May 21
	Week 7 Project	due May 21
Week8 - Wed May 21, 2018	Week 8 Lab	due May 28
	Week 8 Project	due May 28
Week9 - Wed May 28, 2018	Week 9 Lab	due Jun 4
	Week 9 Project	due Jun 4
Week10 - Wed Jun 4, 2018	Week 10 Lab	due Jun 11
	Week 10 Project	due Jun 11
Week11 - Wed Jun 11, 2018	Final Exam	due Jun 11