Course Syllabus
CSIS 2470: Advanced JavaScript and JSP

Course Description

This course will focus on advanced JavaScript(JS) to create professional dynamic websites. This will focus on using JSON as a data tool, JQuery, and JQuery UI to create functional tools for the website, and deeper use of Bootstrap and MVC design.

Required Materials

- Text.Book¿
  - There is no required textbook
  - Reference material comes from various web resources found in the modules section of this course.
  - Our main sources will be videos within each module, and PowerPoint presentations.
  - There will be free ebooks used to learn some of the material
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Learning Outcomes

Salt Lake Community College is committed to fostering and assessing the following student learning outcomes in its programs and courses. The objective of this course is to teach students already familiar with web page design and how to use client-side programming to make the website more user-friendly and professional in design.

1. Students will use JSON as a backend data tool, they will also learn to parse and read JSON files.
2. Students will demonstrate advanced uses of JS, such as AJAX calls and event-driven pages.
3. Students will learn to use JQuery.
4. Students will learn to use JQuery plugins such as JQuery UI and Validation tools.
5. Students will learn Modle View Controler(MVC) design with Bootstrap
6. Students will create a working Mobile site with Bootstrap and JQuery tools.

Prerequisites

- **CSIS 2440 and CSIS 1430**
- There should be a strong understanding of HTML, CSS, and basic JavaScript.
- **Good Keyboarding skills are essential.**
- **Basic Computer Skills.**
  - Navigate basic operating system settings.
  - Navigate various application software.
  - Install and manage software.
  - Manage files and folders.
  - Basic Internet & Email skills.

The assumption is that the student is very comfortable with HTML and CSS. Additionally, the assumption is that the student has at least beginner-level exposure to JavaScript.

Grading

The grade for the course will be based on the following:

Assignments	40%
Lab Activities	10%
Midterm Exam	25%
Final Exam	25%
Total	100%

ASSIGNMENTS

Several assignments will be given throughout the semester. Most homework will consist of building web pages, the assignments are on canvas, and **you will need to provide a link to the working site** as well as the **zipped file containing the code**.

Note that only one submission is allowed per assignment. Once the assignment is submitted, it cannot be re-submitted, so be very careful when submitting it.

Students will use Amazon Web Services (AWS) to create these websites. AWS is a well know web hosting service throughout the computer services industry. As individual assignments are completed, they will be uploaded to the student's personal website on AWS. Other courses that are part of the CSIS WEB DEVELOPMENT CERTIFICATE will continue to use the student's AWS website by adding additional functionality using a wide range of tools. After completing this certificate, the student will have a professional portfolio worthy of showing to prospective employers.

- Students will turn in assignments by providing the URL to the completed assignment to Canvas LMS.
- 20% will be deducted for ALL late assignments, you will have a 7-day grace period to get them in without the deduction.

EXAMS

There will be a MID-TERM & FINAL.

- Check the class calendar for dates. The final exam will be administered as per SLCC's Finals ScheduleLinks to an external site..
- Exams are online using Canvas LMS.
- Tests are open-book but have a time limit.
- Questions are True/False, Multiple Choice, Fill in the blank, and some coding.

Exams can be made up under extreme circumstances with the instructor's permission within a week of the original due date.

Students are responsible for missed information due to an absence. Students should arrange to review a classmate's notes for missed lectures and information. Students are also encouraged to review the Canvas website for information on new announcements, assignment details and due dates.

- Please.do.not.email.the.instructor.for.missed.information¡

Students should inform the instructor of major conflicts that would affect the student's attendance in class for more than a single class period. Excused absences may be accommodated under extreme circumstances with the instructor's permission and notification in a timely manner.

LAB.ACTIVITIES

- Labs help to prepare for assignments.
- Labs will not be reopened for submission. So it is important to get the labs done by the final submission date before it locks.
- There are no penalties when submitted on time.

Each module has lab exercises. These labs are meant to practice your coding prior to working on the assignment. There is no late penalty for labs. Make sure to complete the lab by the close date. There are no date extensions for labs.

Student Expectations

Advising and Counseling Support Services

Advising and Counseling Support Services provide support for students enrolled in any class as the college.

The Center for Health and Counseling provides health care, mental health counseling, massage therapy services and healthy lifestyle programs. http://www.slcc.edu/chc/index.aspx

Veterans' Services assists hundreds of students in using their VA education benefits each semester. http://www.slcc.edu/veterans

Academic and Career Advising helps students plan, explore, make decisions, access resources and evaluate their academic and career goals. And the Academic Achievement Center helps students achieve GPA requirements for graduation.
https://www.slcc.edu/academicadvising
https://www.slcc.edu/academic-achievement-center/index.aspx

STUDENT CODE OF CONDUCT

This course will strictly adhere to the Student Code of ConductLinks to an external site. as well as the **"Expectations of Academic Honesty"** document published by Salt Lake Community College. For further information, refer to the documents found by clicking here: Student Code of ConductLinks to an external site..

WORKING IN GROUPS

Working with other students and in study groups is highly recommended. But each student is expected to do their own work. Cutting and pasting is plagiarism and constitutes cheating! For. this.reason?.most.homework?.including.programming.code?.is.processed.through. plagiarism.software¡

LAB & HOMEWORK

Students' time spend doing homework depends on their current computer skills and experience. Students with minimal experience should expect several hours a week. Homework time is also determined by each individual's acumen for computer programming.