

# Advanced JavaScript and JSP

CSIS - 2470 501

## Course Description

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This course is a continuation of CSIS 2440. It will teach advanced JavaScript techniques and JSP for use in the THREE TIER MODEL. Advanced skills will be taught to allow the student to build complex web sites suitable for E-Commerce. It is recommended students complete CSIS 2440 prior to taking this course.

Semester: Fall & Spring

## Course Student Learning Outcomes

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- Master the ADVANCED skills to create interactive web sites that are effective, navigable, informative, aesthetically pleasing and easy to maintain.
- Learn the ADVANCED skills using JavaScript and JSP.
- Learn to build advance Web sites suitable for a complex E-Commerce application.
- Explore and learn how to implement “best practice” techniques to provide maximum internet security at all levels of the THREE-TEIR MODEL.

## Course Prerequisites

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1. You must know your way around a computer:
  - How to save files
  - How to download files from the internet and retrieve them from your hard drive
  - How to download and install programs from the internet
2. Prerequisite: CSIS-1430

## Engagement Plan

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### My Commitment to You

- Responding to Canvas inbox
  - Canvas messages will be replied to within two business days. Keep this in mind even though homework is due on weekends!
- Grading assignments:
  - Assignments and Exams will be graded, and scores posted in Canvas, within approximately one week of the lock date.
- Logging into the course:
  - I will log in to the course at least once a day, Monday – Friday.
- Participating on discussion boards:
  - I will look at the discussion boards at least 3 times a week and comment as I feel necessary.
- Holding regular office hours and being available to help you if you reach out for assistance:
  - I will hold regular office hours. See the Meet with Me page for details.

### My Expectations of You

- Logging into the course:
  - You should login to the course daily, Monday – Friday. Even if you don't have time to work on course content every day, you should login each day to see what announcements have been posted and review upcoming due dates.
- Working in the course:
  - This is a three credit-hour, 4 contact-hour course. Most students need to spend at least nine hours a week on this course to be successful.
  - Create a schedule for yourself and use the course calendar to stay abreast of assignment due dates and exam dates.

- Take responsibility for your own learning and for asking for help when you need it.
- Participating on discussion boards:
  - We will use the discussion board in Canvas for weekly class discussions. Each discussion topic will specify the minimum participation requirements for each student.

## Keys for Success (how to succeed in the course)

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### Read the Assignments:

Each assignment, quiz, exam, project, etc. has very detailed instructions. Please read each assignment's instructions thoroughly before beginning each assignment. Your grade on the assignment depends on it. In many cases, not following the instructions can result in 0 points on the assignment, so please read and follow them thoroughly. Answers to 99% of the questions you may have about assignments (quizzes, exams, etc.) can be found in the instructions.

### Lecture Videos

The lecture videos are uploaded to [YouTube](#), and are published here in Canvas inside of the lecture notes section for the related lecture in the modules section of the course.

These videos are required for both online and campus students. Each lecture video has an associated quiz that goes with it. These quizzes are 10% of your course grade.

## Required Materials

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- Text Book:
  - There is no required text book
  - Reference material comes from various web resources found in the modules section of this course
  - Our main source will be [YouTube videos](#) created by Professor Jeff Stone.

- Computer:
  - All students (i.e., both online and on-campus) will need access to a computer for all assignments and all resource material.
  - On Campus Students will need to bring a laptop to class every day.

## Brief Description of Assignments/Exams

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# Grading

## Video Quizzes (Lectures) (10%):

Each lecture page has at least one lecture video. Most of the lecture videos have an associated quiz. Both online and on-campus students are required to watch the videos and take the quizzes.

### **Note for Campus Students:**

The quiz must be completed (and locks) before coming to class.

These lecture videos are the equivalent of reading the text book before coming to class. Without watching the videos before coming to class you will not be prepared for class.

### **Note for Online Students:**

If you're an online student, the videos and quizzes are your lecture. Be sure to take the quiz before the due date.

## Assignments (40%):

Assignments are projects designed to ensure that you are able to apply what you have learned in the lectures.

The specific assignment, due date, and turn-in procedures are all managed through Canvas. Late work for some assignments (but not all) may be submitted up to one week

(7 calendar days) following the due date, but a 20% penalty will be assessed. Assignments will not be accepted after the lock date. No exceptions.

For details, due dates, and lock dates for each assignment, check the Assignment Due Dates below.

## Exams (30%):

There are three "exams" for this course. These are larger assignments to show that you can combine all of the content that you have learned so far in the course.

Important note: the final exam does not have a 1-week grace period like the weekly assignments. It must be turned in by the due date/time. If not, the grade for the final will be zero points.

## Module Quizzes (20%):

Most modules have an end of module quiz. Quizzes must be taken on or before the due date/time; they are "open book"; they are not timed, and you may take each quiz only once with the exception of the "Orientation Quiz" which can be taken twice.

Most quizzes (e.g., the Orientation Quiz) do not have a 1-week grace period. The due date and lock date are the same date.

## ***Following the Assignment and Submission Instructions:***

Most, if not all, of the assignments, quizzes, and "exams" have very specific, thorough and detailed assignment requirement instructions and submission instructions. Please read them carefully. Not following the instructions properly can lead to failing the assignment. In some cases, not following the instructions will lead to a final score of 0 points for the assignment. This sounds harsh. However, it's actually there to protect the student. In most cases, when the instructions are not properly followed the professor cannot grade the assignment because it is ungradable. For example, if the wrong link is submitted, then the correct link, not being present, cannot be graded.

## Grading Scale

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## GradePercentage

A	94% - 100%
A-	90% - 93%
B+	87% - 89%
B	84% - 86%
B-	80% - 83%
C+	77% - 79%
C	74% - 76%
C-	70% - 73%
D+	67% - 69%
D	64% - 66%
D-	60% - 63%
E	59% and below

## Assignment Schedule

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Due Date	Assignment Name	Assignment Type	Points
8/31/25	<a href="#">Module 0 Summary Quiz</a>	Quiz	27
8/31/25	<a href="#">Module 0: Assignment #1—EXTRA CREDIT (5 Points)</a>	Assignment	5
8/31/25	<a href="#">Module 0: Assignment #2: Who Are We?</a>	Discussion	14
8/31/25	<a href="#">Module 0: Assignment #3—Setting Up Your Local Environment</a>	Assignment	15

Due Date	Assignment Name	Assignment Type	Points
8/31/25	<a href="#">Module 0: Assignment #4—Setting up your Remote Environment</a>	Assignment	60
8/31/25	<a href="#">Module 0: Lecture #1—JavaScript: Days of Future Past</a>	Quiz	7
9/3/25	<a href="#">Module 1: Lecture #1—Variables, Operators, &amp; Arrays</a>	Quiz	6
9/8/25	<a href="#">Module 1: Lecture #2—Remembering the D.O.M.</a>	Quiz	6
9/10/25	<a href="#">Module 1: Lecture #3—Targeting HTML Tags</a>	Quiz	6
9/14/25	<a href="#">Module 1: Assignment #1—Roll Dem Bones</a>	Assignment	134
9/15/25	<a href="#">Module 1: Lecture #4—Web Form Basics</a>	Quiz	6
9/17/25	<a href="#">Module 2: Lecture #1—Manipulating CSS Part 1</a>	Quiz	6
9/21/25	<a href="#">Module 1 Discussion</a>	Discussion	25
9/21/25	<a href="#">Module 1 Summary Quiz</a>	Quiz	24
9/21/25	<a href="#">Module 1: Assignment #2—Acey Ducey</a>	Assignment	106

Due Date	Assignment Name	Assignment Type	Points
9/21/25	<a href="#">Module 1: Beginning of Course Survey</a>	Quiz	14
9/22/25	<a href="#">Module 2: Lecture #2 —Manipulating CSS Part 2</a>	Quiz	6
9/24/25	<a href="#">Module 3: Lecture #1 —Event Listeners Part 1</a>	Quiz	6
9/28/25	<a href="#">Module 2 Discussion</a>	Discussion	25
9/28/25	<a href="#">Module 2 Summary Quiz</a>	Quiz	12
9/28/25	<a href="#">Module 2: Assignment #1—Build-A-Bot</a>	Assignment	134
9/29/25	<a href="#">Module 3: Lecture #2 —Event Listeners Part 2</a>	Quiz	6
10/1/25	<a href="#">Module 3: Lecture #3 —Timers and Intervals</a>	Quiz	6
10/5/25	<a href="#">Module 3: Assignment #1—Robot Runaway</a>	Assignment	134
10/6/25	<a href="#">Module 3: Lecture #4 —Drag and Drop Events</a>	Quiz	6
10/8/25	<a href="#">Module 4: Lecture #1 —Regular Expression</a>	Quiz	6
10/12/25	<a href="#">Module 3 Discussion</a>	Discussion	25



Due Date	Assignment Name	Assignment Type	Points
10/12/25	<a href="#">Module 3 Summary Quiz</a>	Quiz	19
10/12/25	<a href="#">Module 3: Assignment #2— Robot Repair</a>	Assignment	141
10/13/25	<a href="#">Module 4: Lecture #2—Error Handling &amp; User Messaging</a>	Quiz	6
10/15/25	<a href="#">Module 6: Lecture #1—Fancy Function Features</a>	Quiz	6
10/19/25	<a href="#">Module 4 Discussion</a>	Discussion	25
10/19/25	<a href="#">Module 4 Summary Quiz</a>	Quiz	12
10/19/25	<a href="#">Module 4: Assignment #1— Making Contact</a>	Assignment	145
10/20/25	<a href="#">Module 6: Lecture #2—Advanced Array Methods</a>	Quiz	6
10/22/25	<a href="#">Module 6: Lecture #3—Introduction to Classes &amp; Objects</a>	Quiz	6
10/27/25	<a href="#">Module 6: Lecture #4—OOP Pillars (A.P.I.E.)</a>	Quiz	6
10/29/25	<a href="#">Module 7: Lecture #1—AJAX &amp; JSON</a>	Quiz	6
11/2/25	<a href="#">Module 5: Midterm</a>	Assignment	200

Due Date	Assignment Name	Assignment Type	Points
11/3/25	<a href="#">Module 8: Lecture #1 —Introduction to the Canvas Object</a>	Quiz	6
11/5/25	<a href="#">Module 8: Lecture #2 —Arcs, Fills, &amp; Other Shapes</a>	Quiz	6
11/9/25	<a href="#">Module 6 Discussion</a>	Discussion	25
11/9/25	<a href="#">Module 6 Summary Quiz</a>	Quiz	24
11/9/25	<a href="#">Module 6: Assignment #1— Chess "Bored"</a>	Assignment	175
11/10/25	<a href="#">Module 8: Lecture #3 —Collision Detection</a>	Quiz	6
11/12/25	<a href="#">Module 8: Lecture #4 —Drawing Images and Text</a>	Quiz	6
11/16/25	<a href="#">Module 7 Discussion</a>	Discussion	25
11/16/25	<a href="#">Module 7 Summary Quiz</a>	Quiz	6
11/16/25	<a href="#">Module 7: Assignment #1—Pick a Card . . . Any Card</a>	Assignment	100
11/17/25	<a href="#">Module 9: Lecture #1 —Local Storage</a>	Quiz	6
11/19/25	<a href="#">Module 9: Lecture #2 —Introduction to Browser Dev Tools</a>	Quiz	6

Due Date	Assignment Name	Assignment Type	Points
11/24/25	<a href="#">Module 9: Lecture #3—Introduction to Node.js</a>	Quiz	6
11/30/25	<a href="#">Module 8 Discussion</a>	Discussion	25
11/30/25	<a href="#">Module 8 Summary Quiz</a>	Quiz	24
11/30/25	<a href="#">Module 8: Assignment #1—Space Mines</a>	Assignment	190
12/7/25	<a href="#">Module 9 Discussion</a>	Discussion	25
12/7/25	<a href="#">Module 9 Summary Quiz</a>	Quiz	18
12/7/25	<a href="#">Module 9: Assignment #1—To Do List</a>	Assignment	113
12/21/25	<a href="#">Module 10: Course Survey</a>	Quiz	10
12/21/25	<a href="#">Module 10: Final Project</a>	Assignment	300

## How to Navigate to Canvas

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## Online Tutoring

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Students at SLCC have access to online tutoring through Canvas. From your Canvas course click Online Tutoring in the course navigation and follow the steps to set up an

appointment. If this is your first time using the Online Tutoring we recommend you click "Take a Tour" to familiarize yourself with the service.

Note that students only receive 480 minutes of tutoring time each semester. After that we encourage you to use the resources found through this link:

<https://www.slcc.edu/tutoring/index.aspx>

If you have any additional questions reach out to [elarningsupport@slcc.edu](mailto:elarningsupport@slcc.edu).

## Institutional Policies

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As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

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We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

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At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the

challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

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As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)