Logo, company name

Description automatically generatedHTML, CSS, and JavaScript Programming

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Welcome to CISW 17 - HTML, CSS, and JavaScript Programming. I’m glad to have you in class. Let’s have some fun!

Office hour details will be provided in the classroom and our Canvas shell. Do not hesitate to contact me if you have questions or concerns. I will make every effort to return your message promptly.

I generally prefer lively classroom interactions. Don’t hold back your questions or concerns. This is our class together—If we don’t have answers now, we will endeavor to find them.

# Course Information

Plan, program, implement, publish, and maintain websites using Hypertext Markup Language version 5 (HTML5), Cascading Style Sheets version 3 (CSS3), and JavaScript. Includes working with text, semantic, and multimedia objects, tables, forms, Application Programming Interfaces (APIs), Document Object Model (DOM), cross-browser compatibility, markup validation, client-side interactivity, and principles of web page design, website construction, documentation, and publishing.

* Title: CISW 17 - HTML, CSS, and JavaScript Programming
* CRN: 21295
* 3.5 Course Credits
* Location: Building 78, Room 2110
* Wednesday 7 pm – 10:10 pm

## Critical Dates

* Last day to add class: 08-SEP-2023
* Last day to drop with a refund: 08-SEP-2023
* Last day to drop without a “W”: 10-SEP-2023
* Last day to drop with a “W”: 03-NOV-2023
* Census Date: 11-SEP-2023

## Course Textbook

The textbook is “Sams Teach Yourself HTML, CSS and JavaScript, Third Edition” by Julie C. Meloni. ISBN 9780672338083. It is available as an eBook from the library via Safari Books Online: <https://mtsac.libguides.com/safari>

When you get to the website, select “Institution not listed?” and enter your Mt. SAC email in the box.

## Topics Covered

* Web page standard design principles
* Website construction, documentation, and publishing
* New features of current versions of HTML and CSS
* Web page authoring tools
* HTML5: text, fonts, lists, and hyperlinks tags
* HTML5: multimedia objects for effective web pages
* HTML5: tables for data and web page organization
* HTML5: forms
* HTML5: web site navigation
* Cascading Style Sheet (CSS3): uniform text formatting and page layouts
* Cascading Style Sheet (CSS3): external or embedded CSS
* Dynamic web pages using JavaScript
* JavaScript and DOM
* JavaScript programming: variables, strings, and arrays
* JavaScript programming: functions and objects
* JavaScript programming: event handling
* JavaScript programming: pop-up windows
* JavaScript programming: forms
* Cross-browser compatible web pages
* Web page design for different devices

## Student Learning Outcomes

1. Design web pages using standard design principles.
2. Design web pages using tables to organize data and web page content.
3. Design effective web pages using multimedia objects.
4. Use Cascading Style Sheets to design uniform text formats and page layouts.
5. Design dynamic web pages using JavaScript.
6. Design web pages for cross-browser compatibility.

## Course Outline

|  |  |  |
| --- | --- | --- |
| Week 1 | 8/30 | Lesson 1: Understanding How the Web Works  Lesson 2: Structuring an HTML Document |
| Week 2 | 9/6 | Lesson 3: Understanding Cascading Style Sheets |
| Week 3 | 9/13 | Lesson 4: Understanding JavaScript  Lesson 5: Validating and Debugging Your Code |
| Week 4 | 9/20 | Lesson 6: Working with Fonts, Text Blocks, Lists, and Tables  Lesson 7: Using External and Internal Links  Lesson 8: Working Colors, Images, and Multimedia |
| Week 5 | 9/27 | Lesson 9: Working Margins, Padding, Alignment, and Floating  Lesson 10: Understanding the CSS Box Model and Positioning  Lesson 11: Using CSS to Do More with Lists, Text, and Navigation |
| Week 6 | 10/4 | Lesson 12: Creating Layouts Using Modern CSS Techniques  Lesson 13: Taking Control of Backgrounds and Borders  Lesson 14: Using CSS Transformations and Transitions  Lesson 15: Animating with CSS and the Canvas |
| Week 7 | 10/11 | Lesson 16: Understanding the Importance of Responsive Web Design  Lesson 17: Designing for Mobile Devices  Lesson 18: Using Media Queries and Breakpoints |
| Week 8 | 10/18 | Midterm Project |
| Week 9 | 10/25 | Lesson 19: Understanding Dynamic Websites and HTML5 Applications  Lesson 20: Getting Started with JavaScript Programming  Lesson 21: Working with the Document Object Model (DOM) |
| Week 10 | 11/1 | Lesson 22: Using JavaScript Variables, Strings, and Array |
| Week 11 | 11/8 | Lesson 23: Controlling Flow with Conditions and Loops  Lesson 24: Responding to Events and Using Windows |
| Week 12 | 11/15 | Lesson 25: JavaScript Best Practices  Lesson 26: Using Third-Party JavaScript Libraries and Functions |
| Week 13 | 11/22 | Lesson 27: Working with Web-Based Forms |
| Week 14 | 11/29 | Lesson 28: Organizing and Managing a Website |
| Week 15 | 12/6 | Prepare for Final Project |
| Week 16 | 12/13 | Final Exam Schedule – 7:30 pm – 10:00 pm |

## Homework

Homework will be assigned in the canvas module every week. Please plan to participate in each discussion, all online activities, and turn in all labs as assigned.

## Classroom Participation Assignments

There are 10 participation assignments in this course. Instructions will be given during class and can only be submitted during class meetings.

## Internet Requirement

This course is delivered on campus. Assignments will require access to a code editor and internet access. You may use the computer lab on campus to complete your assignments.

There are mobile apps available for Canvas that can be installed on your smartphone or tablet computer. [Here is a guide on installing the Canvas Student app on an Android device.](https://guides.instructure.com/m/18555/l/199445-how-do-i-download-the-canvas-student-app-on-my-android-device) [Here is a guide for installing the Canvas Student app on an iOS device.](https://guides.instructure.com/m/18561/l/185379-how-do-i-download-the-canvas-student-app-on-my-ios-device) Please visit the appropriate app store for your device – either Google Play or the Apple App Store.

# Instructor Policies

Office Hours

Office hours will be Mondays from 11 am – 1 pm and Tuesdays from 1 pm – 3 pm in 79-2200. Appointments by video will be made upon request. Please email me directly to schedule an appointment.

## Email and Other Contact

Please email me directly with your questions or concerns. Please include the following information for the class in your message:

* Your name
* Your Student ID
* Course Number
* Relevant files, screenshots, URLs, etc.
* If the email involves troubleshooting, please include the steps you have already attempted (i.e., Is it plugged in?; Did you try turning it off and on again?; etc.)

I will reply to emails within two to three days.

## Attendance

Please show up to our class meeting on time each week and log in to our Canvas LMS to give yourself time to review the material and participate. Please adjust your schedule to be present at all class sessions when possible. We will communicate via email and Canvas announcements about any scheduling changes.

*We will all get more out of our time together as we put more into the course.*

## Adding the Class (Late Adds)

I do not allow late adds.

## Withdrawal

I reserve the right to withdraw you from the course for any of the following reasons:

* 10 days without contact
* 14 days without work submission
* Missing five class sessions

## Grades

A combination of participation assignments and project completion will determine grades. Points are cumulative throughout the semester. Grading is scaled as follows:

|  |  |
| --- | --- |
| A | 90 - 100 |
| B | 80 – 89 |
| C | 70 - 79 |
| D | 60 - 69 |
| F | 0 - 59 |

You will be able to access your current grade in canvas. Please contact me immediately with any grading questions.

Your final grade is a total of all the points from several categories of assessments, including: Assignments, Participation, Quizzes, the Midterm, and the Final. Here is the percentage breakdown:

|  |  |
| --- | --- |
| Assignments | 53% |
| Participation | 17% |
| Quizzes | 17% |
| Midterm / Final | 13% |
| Total | 100% |

## Late Work

Please send me an email if you will not be able to complete an assignment on time. I will accept late submissions on a case-by-case basis. You will receive a zero if I do not hear from you about an assignment.

## The Absolute Deadline

The absolute deadline for turning in late assignments, projects, and any approved late work is the end of the final class session.

## Academic Integrity

## “The College considers cheating a voluntary act for which there may be reasons, but for which there is no acceptable excuse.” The term “cheating” includes:

## Sharing answers with another student

## Obtaining homework or exam answers from other students or the Internet

## Using unauthorized materials when taking an exam

## Students are expected to comply with the College’s Student Code of Conduct. Failure to do so may result in a Student Misconduct Report being filed with the Student Life Office.

## Accommodations

Mt. SAC strives to make our online courses accessible to everyone. We specifically consider design features that make our courses accessible to individuals with disabilities, including those using assistive technology for computer access. If you find a feature/course inaccessible, please contact me or the Mt. SAC ACCESS Center by phone at (909) 274-4290 or email: access@mtsac.edu.

To receive authorization for classroom accommodations for verified disabilities, contact ACCESS.

## Mobile Devices

In consideration for others in the room, please refrain from using your mobile devices during class when they are not required for classroom activities. Please step outside when necessary to use your device in any manner that may distract.

## Computer Use

Computers are for Mt. SAC coursework only. Please refrain from participating in social media or non-class related websites when not used for class purposes.

## Food and Drink

Please only bring water bottles that close completely, and consume all soft drinks and food items outside.

## Audio / Video Recording

Students may record audio or video of classroom instruction for personal use only. Any recordings **shall not** be posted publicly or privately on any internet service (e.g., YouTube, Soundcloud, Vimeo, Facebook, etc.)

## Disclaimer

This syllabus may change either slightly or substantively at the instructor’s discretion. You will be notified immediately of any changes.

# Tips for Success

## Classroom “Buddies”

One strategy for success is to get contact information for two or three individuals in your classroom. You can exchange contact information (campus email, messaging info, etc.) and communicate about the class. Your “buddies” can be a good resource to collaborate on notes or to clarify something you may have missed in class.

## Personal Responsibility

You are personally responsible for your success in this course. Your actions and decisions are the primary cause of your success. Plan for traffic, communicate with the instructor, plan time for homework, etc.

## Time Management

There is quite a bit of work and preparation required to be successful in this course. Please plan the time you need on your schedule to get your work done. You may choose to use existing technology (a mobile phone calendar, canvas LMS calendar, etc.), or you may prefer a dedicated paper planning system.

## Available Services for Students

Mt. SAC offers many student services for you to take advantage of. Please refer to the campus website for further information: [Mt. SAC Student Services](https://www.mtsac.edu/studentservices/)