
SYLLABUS

EXSM 3934 - CSS3 Fundamentals

Full Stack Web Development Diploma

Faculty of Extension | University of Alberta

Course Dates: October 11 – October 24, 2021

Location/Format: Online (Synchronous)

Course instructor(s) and contact information:	James Grieve jgrieve@ualberta.ca Responses within 48 hours during business days; office hours from 4:00 PM to 9PM.
Program office information:	If you have any concerns or questions regarding the course, you can contact the program staff, Monday through Friday, at techprog@ualberta.ca
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The University of Alberta acknowledges that we are located on Treaty 6 territory, and respects the histories, languages, and cultures of First Nations, Metis, Inuit, and all First Peoples of Canada, whose presence continues to enrich our vibrant community.

ABOUT THE COURSE

Course Description

CSS3 is the latest evolution of the Cascading Style Sheets language that enables the presentation of content online. In this course, you will be introduced to the CSS3 language and learn how it can be leveraged to style a web page and format content into a desirable layout. Content and practices covered include planning and wireframing, CARP considerations, query selectors, and Flexbox.

Course Outcomes

After completing this course, students should be able to:

- Demonstrate understanding of the CSS language and its purpose on the web.
- Create CSS3-compliant stylesheets to enhance the visual fidelity of a web page.
- Use query selectors to target HTML elements in a web page for styling.
- Take a mobile-first approach in developing stylesheets for a responsive web page layout.

Course Materials

- (Optional) Reading:
[Meyer, E. A; Weyl, E. \(October 2017\). *CSS: The Definitive Guide, 4th Edition*. O'Reilly Media, Inc.](#)

COURSE SCHEDULE

Key Course Dates

All assignment submission deadlines follow **Mountain Time (MT)**, and are listed below.

Please note that online synchronous class times **will be recorded**.

Refer to the Recording in the Classroom policy section of this document for further details.

Module	Key Dates & Times
Module 1 Introduction to CSS	October 13, 2021 @ 7:00PM - 9:00PM
Module 2 Common Properties	October 13, 2021 @ 7:00PM - 9:00PM
Module 3 Selectors and Images	October 13, 2021 @ 7:00PM - 9:00PM Assignments and Activities <ul style="list-style-type: none">• Assignment 1<ul style="list-style-type: none">◦ October 17, 2021 @ 11:59 PM
Module 4 Media Queries; Responsive Practices; CSS Grid Layout	October 20, 2021 @ 7:00PM - 9:00PM Assignments and Activities <ul style="list-style-type: none">• Assignment 2<ul style="list-style-type: none">◦ October 21, 2021 @ 11:59PM
Module 5 CSS Flexible Box Layout; Frameworks	October 20, 2021 @ 7:00PM - 9:00PM
N / A	Assignments and Activities <ul style="list-style-type: none">• Exam<ul style="list-style-type: none">◦ October 24, 2021 @ 11:59PM• Project<ul style="list-style-type: none">◦ October 24, 2021 @ 11:59PM

MODULE OVERVIEWS

Module 1: Introduction to CSS

Topics

- Website structure
- Languages of the web
- What makes up a web page
- Anatomy of a CSS rule
- Box model

Learning Outcomes

After completing this module, students should be able to:

- Demonstrate understanding of CSS and its purpose in web page development.

Supplementary (Optional) Readings

- [Meyer, E. A; Weyl, E. \(October 2017\). CSS: The Definitive Guide, 4th Edition. O'Reilly Media, Inc.](#)
 - [Chapter 1. CSS and Documents](#)
 - [A Brief History of \(Web\) Style](#)
 - [Elements](#)
 - [Bringing HTML and CSS Together](#)
 - [Stylesheet Contents](#)
 - [Chapter 7. Basic Visual Formatting](#)
 - [Chapter 8. Padding, Borders, Outlines, and Margins](#)

Module 2: Common Properties

Topics

- Colour on the web
- Units of measure on the web
- Text and fonts

Learning Outcomes

After completing this module, students should be able to:

- Use common CSS properties to style elements with colour, size, text and fonts on a web page.
- Demonstrate the appropriate units of measurement used in creating a responsive layout.

Supplementary (Optional) Readings

- [Meyer, E. A; Weyl, E. \(October 2017\). CSS: The Definitive Guide, 4th Edition. O'Reilly Media, Inc.](#)
 - [Chapter 4. Values and Units](#)
 - [Color](#)
 - [Chapter 4. Values and Units](#)
 - [Numbers and Percentages](#)
 - [Distances](#)
 - [Calculation Values](#)
 - [Attribute Values](#)
 - [Chapter 5. Fonts](#)
 - [Chapter 6. Text Properties](#)

Module 3: Selectors and Images

Topics

- CSS selectors
- Styling images, including background images

Learning Outcomes

After completing this module, students should be able to:

- Use common CSS selectors to target and style web page elements.
- Add styling to web pages to manage image elements and background images.

Supplementary (Optional) Readings

- [Meyer, E. A; Weyl, E. \(October 2017\). CSS: The Definitive Guide, 4th Edition. O'Reilly Media, Inc.](#)
 - [Chapter 2. Selectors](#)
 - [Basic Style Rules](#)
 - [Grouping](#)
 - [Class and ID Selectors](#)
 - [Attribute Selectors](#)
 - [Pseudo-Class Selectors](#)
 - [Pseudo-Element Selectors](#)
 - [Chapter 3. Specificity and the Cascade](#)
 - [Specificity](#)
 - [Images](#)
 - [Chapter 9. Colors, Backgrounds, and Gradients](#)
 - [Clipping the Background](#)
 - [Background Images](#)
 - [Background Positioning](#)
 - [Changing the Positioning Box](#)
 - [Background Repeating \(or Lack Thereof\)](#)
 - [Getting Attached](#)
 - [Sizing Background Images](#)
 - [Bringing It All Together](#)
 - [Multiple Backgrounds](#)

Activities & Assignments

- Assignment 1

Module 4: Media Queries; Responsive Practices; CSS Grid Layout

Topics

- Media queries
- CSS grid layout

Learning Outcomes

After completing this module, students should be able to:

- Use media queries to alter the look and layout of a web page when viewed on different devices.
- Reproduce complex layouts in a web page using CSS grid layout techniques.

Supplementary (Optional) Readings

- [Meyer, E. A; Weyl, E. \(October 2017\). CSS: The Definitive Guide, 4th Edition. O'Reilly Media, Inc.](#)
 - [Chapter 1. CSS and Documents](#)
 - [Media Queries](#)
 - [Chapter 13. Grid Layout](#)
 - [Chapter 20. Media-Dependent Styles](#)

Module 5: CSS Flexible Box Layout; Frameworks

Topics

- CSS flexible box layout
- Twitter's Bootstrap CSS framework

Learning Outcomes

After completing this module, students should be able to:

- Create horizontal and vertical layouts using flexible box layouts.
- Use a CSS framework to help lay out a web page's content.

Supplementary (Optional) Readings

- [Meyer, E. A; Weyl, E. \(October 2017\). CSS: The Definitive Guide, 4th Edition. O'Reilly Media, Inc.](#)
 - [Chapter 12. Flexible Box Layout](#)

Activities & Assignments

- Assignment 2

COURSE ASSESSMENT & GRADED ACTIVITIES

Assessments Overview and Weighting

Please refer to the “Key Course Dates” section for a list of all assessment due dates.

Assessment	Weighting
• Project	30 %
• Assignment 1	20 %
• Assignment 2	20 %
• Exam	30 %
TOTAL	100 %

Marking criteria for all assignments will be specified within the instructions for the assignment. Please review these criteria before completing your assignments.

Assessment Details and Evaluation Criteria

Project

Description / Instructions

Style provided pages using the techniques, concepts, and properties covered in the material.

Evaluation Criteria

Evaluation information is available on eClass.

Assignment 1

Description / Instructions

Fix and improve upon the broken styles in a provided web page.

Evaluation Criteria

Evaluation information is available on eClass.

Assignment 2

Description / Instructions

Add tablet and desktop styles to a provided mobile-only web page.

Evaluation Criteria

Evaluation information is available on eClass.

Exam

Description / Instructions

An open book examination covering all modules in the course: Module 1 (Introduction to CSS), Module 2 (Common Properties), Module 3 (Selectors and Images), Module 4 (Media Queries; Responsive Practices; CSS Grid Layout), and Module 5 (CSS Flexible Box Layout; Frameworks.)

Evaluation Criteria

Evaluation information is available on eClass.

COURSE-SPECIFIC POLICY STATEMENTS

Penalty for Late Assessments

In this course, the penalty for late assessments will be a loss of **10%** of the assessment's weight **per day**. If you have extenuating circumstances that will prevent you from handing in your assignments on-time, please contact your instructor *before* the due date to discuss the potential options.

Citation Style

Written assignments must comply with a University-accepted citation style, either MLA or APA. For more information, visit the University Libraries website (www.library.ualberta.ca) and click 'Citation Guides' in the Library Services menu.

Understanding Your Grades

The University of Alberta uses a letter grading system with a four-point scale of numerical equivalents for calculating grade point averages. Grades reflect judgments of student achievement made by instructors. These judgments are based on a combination of absolute achievement and relative performance in a class.

All final results are reported using a letter grade or grade point value.

The following table presents an approximate guide for understanding the relationship between percentage grades and letter grades:

A+	A	A-	B+	B	B-	C+	C	C-	D+	D	F	Letter Grade
96–100	91–95	86–90	81–85	77–80	72–76	69–71	64–68	60–63	55–59	50–54	< 50	% range

UNIVERSITY & FACULTY OF EXTENSION GRADING POLICY

Official Grade Notification

Students can access and print their final grades **only** through Bear Tracks, an online service provided to University of Alberta students. To log into Bear Tracks, visit <https://www.beartracks.ualberta.ca>. To learn more about Bear Tracks and your CCID please visit <https://www.ualberta.ca/registrar/registration-and-courses/bear-tracks-resources>.

Any other edition or statement of a final grade should be considered unofficial, including those released in eClass or by other means. In the rare event access is not available, a hard copy may be requested through the Program Office. Program Offices will not release grades over the telephone under any circumstances. ***If you would like to receive an email notifying you when your final grades are available, please sign on to Bear Tracks and visit the Grades section.***

The University of Alberta Grading System

The following table provides information about the meaning of letter grades:

Grading in Continuing Education Courses *		
Descriptor	Letter Grade	Grade Point Value
Excellent	A+	4.0
	A	4.0
	A-	3.7
Good	B+	3.3
	B	3.0
	B-	2.7
Satisfactory	C+	2.3
	C	2.0
	C-	1.7
Poor	D+	1.3
	D	1.0
Failure	F	0

*These descriptors above refer to continuing education and undergraduate courses using alpha grades. Graduate courses use an alternative descriptor set.

Courses that are graded using the “completed requirements” criteria use the following grades and remarks:

Final Grades	Description
CR	Completed requirements; no grade point value assigned.
NC	Failure; no grade point value assigned.

A complete list of current final grades and remarks can be found [§23.4](#) of the University Calendar.

Failing Grades

Students will receive a failing grade under the following conditions:

- if the student has failed to meet the course requirements at the required standards stipulated by the course instructor, e.g. the student's aggregate grade on submitted assignments is lower than the minimum passing grade for the course;
- if the student has failed to withdraw from the course. Non-attendance does not constitute notice of withdrawal from a course. If the student chooses to withdraw from a course, the student must contact the Faculty of Extension Registration Office and submit a written withdrawal request.

Grade Appeals

The assignment of grades is the responsibility of the course instructor. Any concerns regarding grades should first be discussed with the instructor. If the problem is not resolved, students may wish to consult the Faculty of Extension regulations regarding grade appeals. The Faculty of Extension has developed procedures in order that learners who encounter concerns and problems related to academic standing, learning assessment/grades, program requirements, or other matters may have them reviewed equitably and expeditiously. Copies of these procedures can be obtained from the Office of the Dean at 2-240 Enterprise Square, 10230 Jasper Avenue, phone (780) 492-2681.

UNIVERSITY AND FACULTY OF EXTENSION POLICY STATEMENTS

Course Outline Policies

Policy about course outlines can be found in the [Academic Regulations](#) section of the University Calendar.

Academic Integrity

The University of Alberta is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect. Students are particularly urged to familiarize themselves with the provisions of the Code of Student Behaviour (<https://www.ualberta.ca/governance/resources/policies-standards-and-codes-of-conduct/code-of-student-behaviour.html>) and avoid any behaviour which could potentially result in suspicions of cheating, plagiarism, misrepresentation of facts and/or participation in an offence. Academic dishonesty is a serious offence and can result in suspension or expulsion from the University.

Recording in the Classroom

Audio or video recording, digital or otherwise, of lectures, labs, seminars or any other teaching environment by students is allowed only with the prior written consent of the instructor or as a part of an approved accommodation plan. Student or instructor content, digital or otherwise, created and/or used within the context of the course is to be used solely for personal study, and is not to be used or distributed for any other purpose without prior written consent from the content author(s).

Please note that online synchronous class times for this course may be recorded for the benefit of the class. Any recordings of this course will be disclosed to other students enrolled in this section of the class, the instructor, and any other teaching assistants and/or course administrators who may support the course. It is recommended that students remove all identifiable and personal belongings from the space in which they will be participating. Students do have the right to not participate in the recording, and in such cases are advised to turn off their cameras and audio recording devices prior to recording; students can still participate in online synchronous sessions through text-based chat. Unless otherwise specified, recordings will be saved to Zoom cloud storage, accessible via eClass, and made available for as long as the course eClass section remains active. Please direct any questions about this digital collection of recordings to your course instructor.

Accommodating Disabilities

If you have a disability or condition that may require some modifications, please contact Accessibility Resources (1-80 Students' Union Building; PH: (780) 492-3381; TTY: (780) 248-1665) and obtain a determination as to what accommodations should be made.

Withdrawal, Refunds, and Transfer Information

If you wish to drop or withdraw from this course, you must do so by the official drop or withdrawal deadline. Please refer to

<https://www.ualberta.ca/extension/information/for-students/forms/cancel-registration> for information related to official drop and withdrawal policies and deadlines, as well as guidelines to the withdrawal process. Non-attendance does not constitute notice of withdrawal from a course. In graded courses, please note that a failing grade can be assigned to any student who has not officially withdrawn from the course.

Your @ualberta.ca Email Address

The University of Alberta uses email to communicate important information and notices to our students, and you have been automatically assigned an @ualberta.ca email account. It is your responsibility to check your @ualberta.ca email account regularly.

Visit <https://www.ualberta.ca/extension/information/for-students/checklist#email> for more information.

Applying for Graduation

Continuing Education students who expect to complete the requirements of a certificate or citation program by the end of winter term must apply for graduation by Feb. 1 using Bear Tracks under Academics > My Academics > Graduation.

See <https://ext.ualberta.ca/information/policies/graduation> for more information.

In Case of Emergency

All students attending classes at Enterprise Square MUST be familiar with the Faculty of Extension's Emergency Protocols in the event of a fire or other emergency situation. Click here to visit emergency protocols: <https://bit.ly/2NAZFmR>.

Records in General Studies Courses

Faculty of Extension general studies courses (those with the prefix EXGEN) are non-graded and will appear on the transcript as "Non-graded."

Records in Courses in Certificate and Citation Programs

Faculty of Extension courses offered as part of certificate or citation programs are assessed. Any learner, meeting course prerequisites, can take a course that is part of a credentialed program. If you are not registered to take the full program at this time, taking a graded course gives you the opportunity to participate in assessments and earn a grade that reflects your achievement. Grades earned can later be applied to applicable program requirements. Grades earned in Continuing Education courses contribute to your University of Alberta Continuing Education GPA. University of Alberta undergraduate and graduate GPAs are calculated independently.

If you do not wish to complete assessments, receive a grade, or apply course credit to a credential, you must register to "audit" the course. Courses will appear on the transcript as "Audit." Students registered into graded courses that do not self-identify and officially register an audit student will receive the grade earned.