Yukon University	School of Business and Leadership
	MMC 112 **Web Design**
	Term: 2023 (2023-02) **Number of Credits: 3**
Course Outline	

INSTRUCTOR: James Neufeld

E-MAIL: jneufeld@yukonu.ca

OFFICE LOCATION: online

OFFICE HOURS:

Tue-Wed-Thu 4 pm-7:30 pm MST

Zoom: https://yukonu-ca.zoom.us/my/jneufeld

Appointment Bookings:
https://outlook.office.com/bookwithme/user/1300fd76c61d456588f1547eeafe4569%40capilanou.ca/meetingtype/11258682-a09d-4918-9fef-b5cd313da219?anonymous=

CLASSROOM: Online Asynchronous.
Students are also able to access this class in the Multimedia Lab T1030-A (no instructor will be present).

COURSE DATES & TIMES:
Wednesdays 1:00pm - 3:50pm, Jan. 3 – April 3, 2024
*Reading week runs Feb. 19-22 – there are no classes during this time.

COURSE DESCRIPTION

Web Design I covers HTML and CSS code, standards, and validation. Students will build modern responsive web pages that adhere to international standards and are viewable in all major modern browsers and mobile devices. HTML layout using CSS Flexbox and CSS Grid, basic CSS animations, basic SVG animations, and

simple JavaScript interactions are also covered. Students will customize a basic portfolio template to showcase their creative work.

ACADEMIC CALENDAR COURSE DESCRIPTION

Web Design covers HTML and CSS coding basics using CSS3 and HTML5 standards. The student will build web pages that adhere to international standards and are viewable in all major modern browsers. HTML forms, tables, the use of design elements and multimedia are also covered. Students will also learn how to utilize WordPress, a well-known content management system (CMS) as an alternative method of building a web site.

COURSE REQUIREMENTS

Prerequisite(s): none

EQUIVALENCY OR TRANSFERABILITY

Receiving institutions determine course transferability. Find further information at: https://www.yukonu.ca/admissions/transfer-credit

YUKON FIRST NATIONS CORE COMPETENCY

Students who successfully complete this course will have achieved core competency in knowledge of Yukon First Nations. By the end of this course, students will have greater understanding and awareness of Yukon First Nations history, culture, and journey towards self-determination. For details, please see www.yukonu.ca/yfnccr

LEARNING OUTCOMES

The successful completion of this course indicates that the student has reliably demonstrated the ability to:

- Describe the basic functionality of HTML and CSS.
- Use Cascading Style Sheets (CSS) for page styling and layout.
- Evaluate web pages using various validation tools and services.
- Use web design techniques to improve web page readability and functionality.

- Incorporate WordPress as a CMS for building web sites.

COURSE FORMAT

Weekly breakdown of instructional hours

Classes run once a week for approximately 3 hours. Students are expected to arrive before class begins to log-in to their computer workstation and prepare for class.

Most class modules include an assignment used to reinforce and understand the practical application of the concepts covered. Some class time will be allotted for working on assignments, but students should expect to require 4 or more additional hours of time outside of class each week for completing assignments. The multimedia computer lab has some dedicated and open hours for independent work. Lab schedules and protocols will be presented in the first class.

Delivery format

Classes are delivered asynchronously online.

Conventional lecture and demonstration methods are used to present the theory portion while hands-on demonstrations, projects and assignments are utilized to reinforce and complement the theory.

During class time the instructor will introduce tools and concepts which will then be applied through instructor-led, hands-on lessons. This will be supplemented by independent, self-directed exercises and assignments.

EVALUATION

Assignments	25%
Final Project	60%
Participation	15%
Total	100%

COURSE WITHDRAWAL INFORMATION

Refer to the YukonU website for important dates.

TEXTBOOKS & LEARNING MATERIALS

No textbooks are required for this course.

Selected online resources and readings will be provided in class.

RELATED COURSE REQUIREMENTS

The course is delivered synchronously online.

Students are expected to access this course at the allotted time through their own personal computer and should be prepared to engage with this course exclusively through Moodle and associated software (ie. Teams, Zoom, etc.) as dictated by the instructor.

Students without a personal computer or who prefer can access the multimedia computer lab (room T1030) to attend this class. As this course is online, students working on this course in the lab must provide their own headphones.

All associated computer hardware and software required for the course is provided on the computer workstations in the lab.

This course involves extended periods of time working on computers.

Students are expected to have fundamental digital literacy and should be able to effectively navigate operating systems and web browsers.

Students are expected to be able to manage files and folders, organize, copy, move, and delete files efficiently.

Though software specific instruction is part of the course, instructors are unable to provide individual assistance on computer fundamentals.

Students unable to demonstrate these basic computer skills will struggle to successfully complete the course.

Students may be required to access online tools and resources and should be prepared to apply and remember various passwords. Instructors are unable to assist with lost or forgotten passwords.

All classes and assignments will be created and delivered using the online Moodle learning management system. Some instruction on required basic functionality will be covered in class and additional resources are included on the course page and through the Learning Resources page on YukonU's website.

Though it is not required for you to own your own computer to successfully complete this course, acquiring a personal computer and the associated course software can be beneficial for optimal learning.

Students should purchase a USB flash drive or external hard drive to backup and transfer files or be prepared to utilize cloud storage options. Failure to properly backup work could result in loss of files and the inability to recover content.

ACADEMIC INTEGRITY

Students are expected to contribute toward a positive and supportive environment and are required to conduct themselves in a responsible manner. Academic misconduct includes all forms of academic dishonesty such as cheating, plagiarism, fabrication, fraud, deceit, using the work of others without their permission, aiding other students in committing academic offences, misrepresenting academic assignments prepared by others as one's own, or any other forms of academic dishonesty including falsification of any information on any Yukon University document.

Please refer to Academic Regulations & Procedures for further details about academic standing and student rights and responsibilities.

ACCESSIBILITY AND ACADEMIC ACCOMMODATION

Yukon University is committed to providing a positive, supportive, and barrier-free academic environment for all its students. Students experiencing barriers to full participation due to a visible or hidden disability (including hearing, vision, mobility, learning disability, mental health, chronic or temporary medical condition), should contact Accessibility Services for resources or to arrange academic accommodations: access@yukonu.ca.

TOPIC OUTLINE

This tentative schedule is subject to change.

Class / Date	Topic
Class 1 (Jan. 8)	Course overview, intro to HTML and CSS including syntax, basic HTML elements and CSS properties, introduction to the box model, exploring final student projects from previous years, popular web design and development tools including Google Fonts, Wappalyzer, CodePen and Figma/FigJam.
Class 2 (Jan. 15)	HTML class attributes and CSS class selectors, working with CSS variables, the span element and CSS colors (hexadecimal, RGB, etc.); CSS Reset; introduction to Flexbox Layout Module
Class 3 (Jan. 22)	Workshop & Review: Working with Flexbox Layout Module
Class 4 (Jan. 29)	Introduction to responsive design including responsive images and working with CSS Grid and media queries.
Class 5 (Feb. 5)	Introduction to Figma, creating a simple vector wordmark in Figma and exporting SVGs; simple SVG animations and hover effects using HTML and CSS.
Class 6 (Feb. 12)	Introduction to SVGator including drawing, simple animations and exporting animated and/or interactive SVGs; GIF animations; optimizing images for the web.
No class	**Reading week - Feb. 19-22**
Class 7 (Feb. 26)	Setting up a development environment including: cloning a repository with GitHub Desktop, introduction to Visual Studio Code, committing, pushing, and creating a fork; deploying a repository to Netlify
Class 8 (Mar. 4)	Set up and working with Visual Studio Code including extensions to support your development workflow; overview of the final project template, diagnose problems quickly with Chrome Developer Tools
Class 9 (March 11)	Workshop: Customizing the template with your brand colours, wordmark, “about me” and personal images using basics HTML & CSS. Previous concepts also reinforced. One-on-one or small group support provided in class.
Class 10 (March 18)	Workshop: Customizing the template with your brand colours, wordmark, “about me” and personal images using basics HTML

	& CSS. Previous concepts also reinforced. One-on-one or small group support provided in class.
Class 11 (March 25)	Workshop: Customizing the template with your brand colours, wordmark, “about me” and personal images using basics HTML & CSS. Previous concepts also reinforced. One-on-one or small group support provided in class.
Class 12 (April 1)	Search Engine Optimization (SEO) including page titles, meta descriptions, “alt” text for images, Google Search Console, and sitemaps.
Class 13 (April 8)	Final project presentations and peer feedback.