APPLIED COMPUTER SCIENCE

Course Number: ACS-1809-001
Course Name: Web Design & Development
Course Webpage: Nexus - https://nexus.uwinnipeg.ca
Class meeting time: Monday/Wednesday   10:00 AM - 12:00 PM   3D01

Instructor Information

Instructor: Val Massey
E-mail: v.massey@uwinnipeg.ca
Office Hours: Monday/Wednesday   12:30 - 1:30 PM   3D17

Important Dates

1. First Class: Monday, May 1, 2023
2. Midterm Test: Monday, May 29, 2023
3. Final Withdrawal Date w/o academic penalty*:   Wednesday, June 14, 2023
4. Last Class: Wednesday, June 28, 2023
5. Final Exam: TBD
6. No Classes: Victoria Day (University Closed)   Monday, May 22, 2023
                Midterm Break   Wednesday, May 31, 2023

*A minimum of 20% of the work on which the final grade is based will be evaluated and available to the student before the voluntary withdrawal date.

Course Objectives / Learning Outcomes

This course introduces students to concepts, programming skills, and tools related to website design and development. Students gain hands-on programming experience in designing websites using HTML and Cascading Style Sheets. Topics include: creating simple web pages, styling components on a page, basic web design considerations, creating tables, menus, and forms, and using web page layout techniques including CSS Flexbox and CSS Grid.

Evaluation Criteria

Assignments (30%)
- There will be five assignments, equally weighted.
- **All assignments are to be completed individually**.
- Late assignments are accepted (up to 2 days late) with a penalty of 25% per day late.
- Assignments are to be submitted through Nexus.
    - Coding assignments that have HTML, CSS, and any other files, must all be placed into a zip file to be submitted. If you are not familiar with doing so, instructions will be provided.
    - Written assignments should be submitted in PDF format.
    - Submission procedures will be given in each assignment.
- Programming assignments can be **very time-consuming**, especially if you are not familiar, and it is easy to get stuck. **Start early**.
- Students are responsible for reviewing their assignments before submissions to make sure **the correct files are submitted**.
- Multiple submissions are permitted, but only the last submission will be accepted as the final submission and marked. Students may submit partially completed assignments and will receive credit for those attempted problems.

Midterm Test: (20%)
- During regular class time (see Important Dates).
- Tests will be written on paper.

Final Exam (50%)
- The final exam is cumulative and covers all material discussed in the course.

Students should contact the instructor as soon as possible if extenuating circumstances require missing a lab, assignment, test or examination. A medical certificate from a practicing physician may be required before any adjustments are considered.

Test / Exam Requirements

- Photo ID is required for the final exam.
- The use of computers, calculators, phones, or other electronic devices is not permitted during exams.
- Midterm and final exams are closed book.
- Communication with others (except the instructor) is not permitted.

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams (e.g., private space) or during lectures/laboratories (e.g., note-takers) are encouraged to contact Accessibility Services (AS) at 204-786-9771 or accessibilityservices@uwinnipeg.ca to discuss appropriate options. All information about a student's disability or medical condition remains confidential.

Students may choose not to attend classes or write examinations on holy days of their religion, but they must notify their instructors at least two weeks in advance. Instructors will then provide opportunity for students to make up work examinations without penalty. A list of religious holidays can be found in the 2019-20 Undergraduate Academic Calendar online at http://uwinnipeg.ca/academics/calendar/docs/important-notes.pdf

Coding Standards

- Find an appropriate code editor to work on your assignments. The instructor will provide you with some examples. Using only simple text editors will make your life more difficult and result in messy code that is difficult to read.
- Please properly indent your code. It is better for everyone, and very messy code can result in a deduction of marks.
- The use of code templates (a large block of code that is pre-written) is prohibited except those created by yourself or written in provided sample code. In the context of a course using code from outside sources can be construed as plagiarism.
- Your code should not contain *excessive* use of components/techniques that have not been discussed yet in this course.
- As a general rule, do not go too far beyond the stated requirements for assignments, as this can make marking your work more ambiguous.

Email Communication

Emails from accounts at uwinnipeg.ca are usually not filtered by the UW email filter. It is recommended that email communication for the course be sent from your UW email account to minimize the risk of filtering.

Please include your full name, your student number, and the course number and section in the subject line of your email.

Final Letter Grade Assignment

Historically, numerical percentages have been converted to letter grades using the following scale. However, instructors can deviate from these values based on pedagogical nuances of a particular class, and final grades are subject to approval by the Department Review Committee.

A+	90 – 100%	B+	75 – 79%	C	60 – 64%
A	85 – 89 %	B	70 – 74%	D	50 – 59%
A-	80 – 84%	C+	65 – 69%	F	below 50%

Required Textbook / Reading List

- Web Development and Design Foundations with HTML5, 10th Edition, Terry Felke-Morris, ISBN: 9780136681540
- All course material including lecture notes, sample code, and assignment details will be available on Nexus.
  Students are responsible for reviewing materials covered in the course.

Prerequisite Information

- (None)

Regulations, Policies, and Academic Integrity

Academic dishonesty is a very serious offense and will be dealt in accordance with the University's policies.

Avoiding Academic Misconduct: Students are encouraged to familiarize themselves with the Academic Regulations and Policies found in the University Academic Calendar at:
https://uwinnipeg.ca/academics/calendar/docs/regulationsandpolicies.pdf

Particular attention should be given to subsections 8 (Student Discipline), 9 (Senate Appeals) and 10 (Grade Appeals). Please note, in particular, the subsection of Student Discipline pertaining to plagiarism and other forms of cheating.

Detailed information can be found at the following:

- Academic Misconduct Policy and Procedures: https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-policy.pdf and https://www.uwinnipeg.ca/institutional-analysis/docs/policies/academic-misconduct-procedures.pdf
- UW Library video tutorial "Avoiding Plagiarism" https://www.youtube.com/watch?v=UvFdxRU9a8g

The copying of other person's work in whole or in part can constitute plagiarism. Someone allowing the copying of their work by another, can constitute abetting plagiarism, which is also a form of academic misconduct.

Uploading essays and other assignments to essay vendor or trader sites (filesharing sites that are known providers of essays for use by others who submit them to instructors as their own work) involves "aiding and abetting" plagiarism. Students who do this can be charged with Academic Misconduct.

Non-academic misconduct. Students are expected to conduct themselves in a respectful manner on campus and in the learning environment irrespective of platform being used. Behaviour,

communication, or acts that are inconsistent with a number of UW policies could be considered "non-academic" misconduct. More detailed information can be found here:

- Respectful Working and Learning Environment Policy
  https://www.uwinnipeg.ca/respect/respect-policy.html,
- Acceptable Use of Information Technology Policy
  https://www.uwinnipeg.ca/institutional-analysis/docs/policies/acceptable-use-of-information-technology-policy.pdf
- Non-Academic Misconduct Policy and Procedures: https://www.uwinnipeg.ca/institutional-analysis/docs/student-non-academic-misconduct-policy.pdf and
  https://www.uwinnipeg.ca/institutional-analysis/docs/student-non-academic-misconduct-procedures.pdf.

Copyright and Intellectual Property. Course materials are the property of the instructor who developed them. Examples of such materials are course outlines, assignment descriptions, lecture notes, test questions, and presentation slides—irrespective of format. Students who upload these materials to filesharing sites, or in any other way share these materials with others outside the class without prior permission of the instructor/presenter, are in violation of copyright law and University policy. Students must also seek prior permission of the instructor/presenter before, for example, photographing, recording, or taking screenshots of slides, presentations, lectures, and notes on the board. Students found to be in violation of an instructor's intellectual property rights could face serious consequences pursuant to the Academic Misconduct or Non-Academic Misconduct Policy; such consequences could possibly involve legal sanction under the Copyright Policy
https://copyright.uwinnipeg.ca/docs/copyright_policy_2017.pdf

Academic Integrity and AI Text-generating Tools

Students must follow principles of academic integrity (e.g., honesty, respect, fairness, and responsibility) in their use of material obtained through AI text-generating tools (e.g., ChatGPT, Bing, Notion AI). If an instructor prohibits the use of AI tools in a course, students may face an allegation of academic misconduct if using them to do assignments. If AI tools are permitted, students must cite them. According to the MLA (https://style.mla.org/citing-generative-ai/), writers should
- cite a generative AI tool whenever you paraphrase, quote, or incorporate into your own work any content (whether text, image, data, or other) that was created by it
- acknowledge all functional uses of the tool (like editing your prose or translating words) in a note, your text, or another suitable location
- take care to vet the secondary sources it cites

If students are not sure whether or not they can use AI tools, they should ask their professors.

Privacy

Students have rights in relation of the collecting of personal data the University of Winnipeg: https://www.uwinnipeg.ca/privacy/admissions-privacy-notice.html.

More information:

- Zoom and Privacy: https://www.uwinnipeg.ca/privacy/zoom-privacy-notice.html
- Testing/Proctoring: https://www.uwinnipeg.ca/privacy/zoom-test-and-exam-proctoring.html.

Student Wellness

The University of Winnipeg affirms the importance of student mental health and our commitment to providing accessible, culturally appropriate, and effective services for students. Students who are seeking mental health supports are encouraged to reach out to the Wellness Centre at studentwellness@uwinnipeg.ca or 204.988.7611. For community-based mental health resources and supports, students are encouraged to dial 2-1-1. This program of United Way is available 24/7 in 150 languages.

Class Cancellation, Correspondence with Students and Withdrawing from Course

When it is necessary to cancel a class due to exceptional circumstances, the course instructor will make every effort to inform students via uwinnipeg email and Nexus.

Students are reminded that they have a responsibility to regularly check their uwinnipeg e-mail address and/or Nexus to ensure timely receipt of correspondence from the University and/or the course instructor*.*

Please let the course instructor know if you plan on withdrawing from the course. Note that withdrawing before the VW date does not necessarily result in a fee refund.

Topics to be covered (tentative)

1. Introduction to the Internet and World Wide Web
2. HTML Basics
3. Configuring Color and Text with CSS
4. Visual Elements and Graphics
5. Web Design
6. Page Layout Basics
7. Responsive Page Layouts
8. Tables

9. Forms *(time permitting)*

Note: A permitted or necessary change in mode of delivery may require adjustments to important aspects of course outlines, like class schedule and the number, nature, and weighting of assignments and/or exams.