THE UNIVERSITY OF WINNIPEG

APPLIED COMPUTER SCIENCE

Course Number: ACS-1809-050
Course Name: Web Design and Development
Course Webpage: https://nexus.uwinnipeg.ca/d2l/home/61354

Instructor Information

Instructor: Meharban Singh
E-mail: me.singh@uwinnipeg.ca
Office Hours: Tuesdays   5:00 pm - 6:00 pm   3C07
Class meeting time: Tuesdays/Thursdays   6:00 pm - 8:00 pm   1L12

Important Dates

1. First Class: Tuesday, May 7, 2024
2. Midterm Test: Thursday, May 30, 2024
3. Reading Break (no class):   Tuesday, June 4, 2024
4. Final Withdrawal Date w/o academic penalty*:   Wednesday, June 19, 2024
5. Last Class: Tuesday, July 2, 2024
6. Final Exam: TBD
7. University closures (no class):   Victoria Day   Monday, May 20, 2023
                                      Canada Day   Monday, July 1, 2024

*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 the concepts, programming skills, and tools related to design and develop websites. The topics include website layout; creating tables, frames, menus and forms; presenting multimedia on web pages; and Internet Protocols such as HTTP and FTP. Students gain hands-on programming experience in designing websites using HTML and Cascading Style Sheets.

This course focuses on HTML and CSS; therefore, students must refrain from including any scripting language, e.g. JavaScript, in the assignments. No extra marks will be given, and scripts may be subject to removal.

Evaluation Criteria

1. Assignments (25%)
   - 3 assignments, worth:
     - As1: 7%
     - As2: 8%
     - As3: 10%.
   - Must be completed individually
   - Individual due dates will be posted on Nexus
   - Assignments will be accepted up to 1 day late with a 20% penalty

   Assignment submissions:
   - All work is to be submitted electronically via Nexus.
   - Any written work in **.pdf** format. For coding assignments that have HTML, CSS, and any supporting files, they must be all placed into a **.zip** file and submit the zip file.
   - Further details and submission procedure will be stated in each assignment.
   - Students are responsible to review their assignments before submissions to make sure the correct files are submitted.
   - Programming assignments can be very time-consuming. Please start early.
   - Students are responsible for backing up and protecting their assignment work.

2. Midterm Test (25%)
   - During the regular class time (see Important Dates)

3. Final Exam (50%)
   - Cumulative
   - Date TBD

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.

Students with documented disabilities, temporary or chronic medical conditions, requiring academic accommodations for tests/exams or during lectures/laboratories are encouraged to contact Accessibility Services (AS) at 204.786.9771 or https://www.uwinnipeg.ca/accessibility-services/ 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 an opportunity for students to make up work examinations without penalty. A list of religious holidays can be found in the 2023-2024 Undergraduate Academic Calendar online at http://uwinnipeg.ca/academics/calendar/docs/important-notes.pdf

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%

Textbooks / Reading List

- HTML A beginner's guide, 5th edition, Wendy Willard, ISBN 978-0071809276
- Class Notes will be available on Nexus

Prerequisite Information

None, though students are expected to be capable of performing basic computer operations (manipulate folders, copy/paste files/contents, etc.) and using the Internet (especially using web browser).

Use of HTML/CSS Templates

An HTML/CSS template is a block of HTML/CSS code that is pre-designed/pre-built, in which anyone can add in their own content (text, images, etc.) to create a website/page.

ANY use of HTML/CSS templates in any form or from any source (free or paid), except those from the sample codes provided by the instructor, is not permitted because the use of template defeats the purpose of taking this course – learn the fundamental of HTML/CSS to build a solid foundation for web development. It also violates UW's academic integrity policies, which, in short, states the course work submitted must be 100% from your own work. Therefore, such practice is considered not acceptable and could be handled as an act of academic misconduct. Students can create their own templates for their own use in assignments/projects. All HTML/CSS code used in such template(s) must be written by the student themselves. These templates must not be shared with other student(s) in *any* form unless the template is being used in a group project.

Regulations, Policies, and Academic Integrity

Academic dishonesty is a serious offense and will be dealt with 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/policies/docs/policies/academic-misconduct-policy.pdf and
  https://www.uwinnipeg.ca/policies/docs/procedures/academic-misconduct-procedures.pdf
- About Academic Integrity and Misconduct, Resources and FAQs:
  https://library.uwinnipeg.ca/use-the-library/help-with-research/academic-integrity.html

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.

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). **Use of AI Tools is prohibited in this course: students may face an allegation of academic misconduct if using them to do assignments**.

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. Behavior, 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/policies/docs/policies/acceptable-use-of-information-technology-policy.pdf
- Non-Academic Misconduct Policy and Procedures:
  https://www.uwinnipeg.ca/policies/docs/policies/student-non-academic-misconduct-policy.pdf and https://www.uwinnipeg.ca/policies/docs/procedures/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/basics/copyright-policy.html

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.

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 addresses 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. Planning a website
2. Color, text, links, images
3. Lists, forms, and tables
4. Cascading Style Sheets
5. Page Structures
6. Multimedia (as time permits)

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.