



# THE UNIVERSITY OF WINNIPEG

## APPLIED COMPUTER SCIENCE

Course Number: ACS-1809-004  
Course Name: Website Design & Development  
Course Webpage: <https://nexus.uwinnipeg.ca/d2l/home/59093>

### Instructor Information

**Instructor:** James Deng  
**E-mail:** [j.deng@uwinnipeg.ca](mailto:j.deng@uwinnipeg.ca)  
**Office Hours:** Wednesdays 1:30 - 2:15 pm 3D17  
**Class meeting time:** Mondays/Wednesdays 4:00 - 5:15 pm 3D01

### Important Dates

- |   |                           |
|---|---------------------------|
| 1. First Class:                                 | Monday, January 8, 2024   |
| 2. Reading Week (no classes):                   | February 18-24, 2024      |
| 3. Midterm Exam:                                | Monday, February 26, 2024 |
| 4. Final Withdrawal Date w/o academic penalty*: | Friday, March 15, 2024    |
| 5. Last Class:                                  | Wednesday, April 3, 2024  |
| 6. Final Exam:                                  | TBD                       |
| 7. University closures: Louis Riel Day          | Monday, February 19, 2024 |
| Good Friday                                     | Friday, March 29, 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 website design and development. The topics include: website layout; creating tables, 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.

## Evaluation Criteria

Assignments (15%) - Four assignments will be given to the students (1% for the first one, 4% for the third one, and 5% for each of the 2nd and the 4th assignments).

- **All assignments are to be completed individually.**
- **Late assignments will not be accepted.**
- Assignments are to be submitted through Nexus. Written assignments should be in PDF (Portable Document Format) only. For coding assignments that have HTML, CSS, and any supporting files, they must be all placed into **ONE SINGLE zip file** and submit the zip file.
- Please refer to the section **HTML/CSS Coding Standard** if you intend to use HTML/CSS templates in your work.
- **Assignments that do not meet all the requirements, including those for the submissions, may not be accepted or a portion of the marks will be deducted.**
- Problem-solving and programming assignments could be **very time-consuming**. So please **start early**.
- Students are responsible to review 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. **Students are responsible for backing up and protecting their assignment work.**

2. Project: (15 %)

- The details of the project will be announced later.
- All of the policies/rules for the assignments stated above are also applicable to the project.

3. Midterm Test: (20 %)

- During the regular class time (see Important Dates).
- 1 hour 15 minutes duration

4. Final Exam (50%)

- The final exam covers all material discussed in the course.

## 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 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.

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](mailto:accessibilityservices@uwinnipeg.ca) to discuss appropriate options. All information about a student's disability or medical condition remains confidential.  
<https://www.uwinnipeg.ca/accessibility-services>.

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>

## **HTML/CSS Coding Standard**

Student taking this course must abide the HTML/CSS code standards set for the course. These standards are aims to improving collaboration, code quality, and readability. It applies to raw, working files that use HTML and CSS. They also assist the instructor in evaluate your work and determine your progress in the course with respect to the course material.

The course standard is generally base on the Google HTML/CSS Style Guide (<https://google.github.io/styleguide/htmlcssguide.html>) and therefore please ensure you read and have a full understand of the standard outlined. In addition to the Guide, a few added standards are being defined specifically for this course. They are:

- The use of a HTML/CSS template is prohibited except those created by yourself or defined in the course sample code. A template is a large 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.
- You code should not contain EXCESSIVE use of elements/properties that have not been discussed yet in this course, EXCESSIVE use of skills/techniques that are beyond the topics in this course (like scripting language), OR a considerable number of code blocks that are defined but not actually being used in the web pages/website.

Any violation of the above standards will have marks deducted for coding inefficiency. This is to ensure the goal of the course is achieve and students learn to build a good solid foundation for web development and HTML/CSS fundamental.

## **Email Communication**

Emails from accounts at uwinnipeg.ca are usually not filtered by the UofW email filter. Thereby it is recommended electronic communication used for the course utilize a UofW email account to minimize the risk of filtering.

The email sent to the instructor **must include your full name, your student#, and the COURSE# WITH YOUR COURSE SECTION# (like ACS-1809-003) in the subject line** of your email. If your email address already includes your name (like in UW's webmail) then you can skip typing your name there. A respectful manner is also expected in email communications.

## **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 Text Book / Reading List**

- Web Development and Design Foundations with HTML5, 10th Edition, Terry Felke-Morris , ISBN: 9780136681540

All course material including lecture notes, slides and videos, sample code, and assignment details will be available on Nexus. Students are responsible for all materials covered in the course.

## **Prerequisite Information**

None

## **Regulations, Policies, and Academic Integrity**

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).

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

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). **The use of AI tools is absolutely prohibited in this course!** Students may face an allegation of academic misconduct if using them to finish their course work.

**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/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

- Student Privacy: <https://www.uwinnipeg.ca/privacy/admissions-privacy-notice.html>
- Zoom Privacy: <https://www.uwinnipeg.ca/privacy/zoom-privacy-notice.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 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. Web Design
3. HTML Basics
4. Configuring Color and Text with CSS
5. Visual Elements and Graphics
6. Page Layout Basics
7. Responsive Page Layout
8. Tables
9. Forms

*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.*