

**Web Site Construction - 80544**  
**CS 101 Section 01 Fall 2024**  
**8:00 – 8:50 AM**  
**Jamrich 2317 MWRF**

**Professor:** Jason Haskell

**Office:** Jamrich 2223

**Email:** [jhaskell@nmu.edu](mailto:jhaskell@nmu.edu)

**Regular Office Hours:** Monday, Wednesday, Thursday 1:00-2:00pm

**By Appointment Only Office Hours:** Thursday 9:00am-12:00pm, Friday 9:00-10:30am

*By appointment available in thirty-minute blocks on each hour and half hour. See ESP to make an appointment.*

**Text:** No textbook will be used for this class. Students will need to go to <https://code.visualstudio.com/download> and download Visual Studio Code® for either PC or Mac.

Here are some websites that students may find helpful (these will be talked about in class):

- [www.w3schools.com](http://www.w3schools.com)
- <https://www.freeformatter.com/html-validator.html>
- <https://www.google.com/search?q=color+picker>

## **COURSE DESCRIPTION**

CS 101 is a comprehensive introduction to implementing web sites using HTML, CSS, and JavaScript. Students will learn to design and develop web sites that contain interlinked web pages from scratch. The class begins with HTML and continues to teach CSS which is used to format and style web pages. Toward the end of the course, students will learn how to use JavaScript to create web pages that are dynamic and interactive.

**Prerequisite:** None

## **Course Topics**

1. Basic web architecture to better understand clients, servers, caching, accounting and web counters, and causes of slow web site load times.
2. Basic HTML programming.
3. Basic CSS programming.
4. Basic JavaScript programming.
5. Copyright and Trademark laws over the internet.

## Course Learning Outcomes

1. Become proficient at using HTML including:
  - a. Basic HTML (head, document type, title, author and other metadata, body, physical formatting, bold, italics, strong, emphasis, and underline)
  - b. Logical formatting (quote, preformatted, and blockquote)
  - c. Tables (borders and entries that span more than one cell)
  - d. Lists (ordered lists and unordered lists)
  - e. Hyperlinks (absolute, relative, mailto, and to a named anchor)
  - f. Images (GIF vs JPG vs PNG, basic image editing, resizing images, using images as a link, and using images as a table entry)
  - g. Image Maps ([https://www.w3schools.com/tags/tag\\_map.asp](https://www.w3schools.com/tags/tag_map.asp))
  - h. Video tags
  - i. Audio tags
  
2. Become proficient at using Content Style Sheets (CSS)
  - a. Basic syntax ([https://www.w3schools.com/css/css\\_syntax.asp](https://www.w3schools.com/css/css_syntax.asp))
  - b. Inline CSS
  - c. Internal CSS
  - d. External CSS
  - e. Class attributes
  - f. Text CSS ([https://www.w3schools.com/css/css\\_text.asp](https://www.w3schools.com/css/css_text.asp))
  - g. Table CSS ([https://www.w3schools.com/css/css\\_table.asp](https://www.w3schools.com/css/css_table.asp))
  - h. Positioning CSS ([https://www.w3schools.com/css/css\\_positioning.asp](https://www.w3schools.com/css/css_positioning.asp))
  
3. Create forms to collect data from users including: submit button, radio buttons, text areas, text boxes, pull down menus, and passwords.
  
4. Demonstrate and become familiar with some basic JavaScript including:
  - a. Basic syntax (variables, simple math, alert boxes, getting data from a form element, if-then, clearing a form element, and setting a form element to red/blue/green)
  - b. Validating forms using JavaScript
  - c. Graphic “tricks” using JavaScript

**Assessment Format:** Specific information on each assessment is below.

- **Homework (45%):** Homework will consist of various web site assignments using HTML, CSS, and/or JavaScript.
- **Attendance Quizzes (5%):** This class will have a quiz typically every day. The quizzes will be done on EduCat. Students will have unlimited attempts once it is open. The quizzes will be used as a check to see how students are internalizing the concepts taught in class and to track attendance.
- **Exams (30%, 2 total):** Each exam will consist of questions from the material discussed in class. A university-approved excuse is generally a prerequisite for

rescheduling any test. All exams will be taken in class. Additional instructions will be provided prior to each exam.

- **Final Project (20%):** The final project is a group collaboration to make a multi-page website. This grade includes the presentations which will take place during final exam week. The final project presentations will be on **Wednesday, December 11<sup>th</sup>, at 8:00am.**

**Grading Scale (%):** Students' course grade will be weighted according to the percentages outlined under Assessment Format. Corresponding grades based on a percentage are below.

100 – 90% .....A  
89 – 80% .....B  
79 – 70% .....C  
69 – 60% .....D  
59 – 0% .....F

**Use of AI Writing Tools:**

AI writing tools like ChatGPT are considered supplementary aids and should not replace students' original ideas and research. Usage of AI tools for assignments must be pre-approved to ensure academic honesty. Unauthorized use can impact students' academic standing. It is essential to clearly distinguish between students' original work and the content generated by AI in any submissions. Violating these guidelines equates to infringing NMU's [Academic Dishonesty Policy](#).

**Anyone caught cheating will receive a zero for the assignment and an F for the class.**

**How do I get help in the class?**

1. See me during office hours or set up an appointment.
2. Visit the CS tutor in Jamrich 2311, see schedule on EduCat.
2. Meet up with a peer from the class.
3. Go to All Campus Tutoring (generally available on the weekends). Check their walk-in tutoring schedule at <https://www.nmu.edu/tutoring/>.

**NMU's Non-Discrimination Statement:**

Northern Michigan University does not unlawfully discriminate on the basis of race, color, religion, sex, national origin, age, height, weight, marital status, familial status, handicap/disability, sexual orientation, or veteran status in employment or the provision of services, and provides, upon request, reasonable accommodation including auxiliary aids and services necessary to afford individuals with disabilities an equal opportunity to participate in all programs and activities.

Anyone having civil rights inquiries may contact the Equal Opportunity Office, 502 Cohodas Hall, telephone number 906-227-2420.

**ADA Statement:**

If you have a need for disability-related accommodations or services, please inform the Coordinators of Disability Services in the Dean of Students Office at 2001 C. B. Hedcock Building (906-227-1737 or [disability@nmu.edu](mailto:disability@nmu.edu)). Reasonable and effective accommodations and services will be provided to students if requests are made in a timely manner, with appropriate documentation, in accordance with federal, state, and University guidelines.

**Subject to change with notice.**