



Navajo Technical University
PO Box 849, Crownpoint, NM 87313

<http://www.navajotech.edu>

Tel: (505) 387-7401

Course Title: WEB STANDARDS
Course #: IT 270

Credit Hours:3
Semester: SPRING 2022
Cap:15

Faculty: SUMATHI RAGAVANANATHAM

E-mail: sragavanantham@navajotech.edu

Office: : IT Bldg Room 116

Office Phone: 505-786-4100

Office Hours (face-to-face or online) : **Monday 1-2 pm ONLINE**

Preferred Communication (email and/or text; will respond within 24 hours)

Modality (face-to-face, hybrid, or online): **ONLINE**

Meeting Hours and Online Hours (if hybrid): **(FRIDAY 2 PM TO 4:30PM)**

Required Materials:

Textbook: *CSS: The Missing Manual, 4th Edition*

ISBN: 978-1-491-91805-0

Tools: Internet/Wifi, notebooks, pens, pencils, usb drive, printing paper

Laptop and Internet Access: Every student is required to own a laptop and have internet access.

Lab Fee (if applicable):



Mission, Vision, and Philosophy

Mission: Navajo Technical University honors Diné culture and language, while educating for the future.

Vision: Navajo Technical University provides an excellent educational experience in a supportive, culturally diverse environment, enabling all community members to grow intellectually, culturally, and economically.

Philosophy: Through the teachings of Nitsáhákees (thinking), Nahátá (planning), Íina (implementing), and Siihasin (reflection), students acquire quality education in diverse fields, while preserving cultural values and gaining economic opportunities.

Course Description

This course provides a thorough and practical guide to applying web standards enforced by the World Wide Web Consortium (W3C). Students will be exposed to standards that will allow content to be more compatible with multiple different viewing devices such as screen readers, cell phones, PDFs, HTML, XML, and CSS.

Prerequisite: IT-142 (Web Design Concepts)

COURSE OUTCOMES	COURSE MEASUREMENTS
1. expanded understanding of art and visual culture	Evidence of test with a 70%
2. increased knowledge of the makers, objects, processes, reception, social bases, historical contexts of art, Western and non-Western, past and present	
3. the development of personal esthetic judgment and open-mindedness	
4. improved visual literacy	
5. improved visual vocabulary – the words needed to describe, analyze, and critically question art and visual culture	

Connections to Program Assessment (Course-Embedded Measures)

Week	Date	Chapters	Assignment (True/False, Multiple Choice, and Matching)	Quiz
1	01/21/2022	Introduction and Syllabus Chapter 1 HTML and CSS Chapter 2 Creating Styles and Style Sheets	Pre-Assessment Test Ch. 1 & 2 homework	Create one HTML and one CSS using the W3school site
2	01/28/2022	Chapter 3 Selectors: Identifying What to Style Chapter 4 Saving Time with Style Inheritance	Ch. 2 & 3 homework & Extra Credit	Create 2 zoo animal pages using the styles from both chapters
3	02/04/2022	Chapter 5 Managing Multiple Styles: The Cascade	Ch. 5 homework & Extra Credit	Create a plant page using the styles from chapter 5
4	02/11/2022	Chapter 6 Formatting Text	Ch. 6 homework & Extra Credit	Create a farm animal topic page
5	02/18/2022	Chapter 7 Margins, Padding, and Borders	Ch. 7 homework & Extra Credit	Create a vegetable page using style
6	02/25/2022	Chapter 8 Adding Graphics to Web Pages	Ch. 8 homework & Extra Credit	Create a photo album of family

7	03/04/2022	Chapter 9 Sprucing Up Your Site's Navigation	Ch. 9 homework & Extra Credit	Chapters 1—8
8	03/11/2022	MID-TERM EXAM		
9	03/25/2022	Chapter 10 CSS Transforms, Transitions, and Animations	Ch. 10 homework & Extra Credit	
10	04/01/2022	Chapter 11 Formatting Tables and Forms	Ch. 11 homework & Extra Credit	
11	04/08/2022	Chapter 12 Introducing CSS Layout	Ch. 12 homework & Extra Credit	
12	04/15/2022	Chapter 13 Building Float-Based Layouts	Ch. 13 homework & Extra Credit	
13	04/22/2022	Chapter 14 Positioning Elements on a Web Page	Ch. 14 homework & Extra Credit	
14	04/29/2022	Chapter 15 Responsive Web Design	Ch. 15 homework & Extra Credit	
15	05/06/2022	Chapter 16 Using a CSS Grid System	Ch. 16 homework & Extra Credit	
17	05/12/2022	Final Exam		Ch. 1—16

Grading Plan

Homework: :20%
 Class Participation: :5%
 Project(s): :10%
 Quizzes: :10%
 Mid-term: :25%
 Final Exam: :25%
 Portfolio: :5%

A = 100-90%

B = 89-80%

C = 79-70%

D = 69-60%

F = 59% or less

Grading Policy

Students must do their own work. Cheating and plagiarism are strictly forbidden. Cheating includes (but is not limited to) plagiarism, submission of work that is not one's own, submission or use of falsified data, unauthorized access to exams or assignments, use of unauthorized material during an exam, or supplying or communicating unauthorized information for assignments or exams.

Participation

Students are expected to attend and participate in all class activities. Points will be given to students who actively participate in class activities including guest speakers, field trips, laboratories, and all other classroom events.

Cell phone and headphone use

Please turn cell phones off **before** coming to class. Cell phone courtesy is essential to quality classroom learning. Headphones must be removed before coming to class.

Attendance Policy

Students are expected to attend all class sessions. A percentage of the student's grade will be based on class attendance and participation. Absence from class, regardless of the reason, does not relieve the student of responsibility to complete all course work by required deadlines. Furthermore, it is the student's responsibility to obtain notes, handouts, and any other information covered when absent from class and to arrange to make up any in-class assignments or tests if permitted by the instructor. Incomplete or missing assignments will necessarily affect the student's grades. Instructors will report excessive and/or unexplained absences to the Counseling Department for investigation and potential intervention. **Instructors may drop students from the class after three (3) absences unless prior arrangements are made with the instructor to make up work and the instructor deems any excuse acceptable.**

Study Time Outside of Class for Face-to-Face Courses

For every credit hour in class, a student is expected to spend two hours outside of class studying course materials.

Study Time for Hybrid or Blended Courses

For a hybrid or blended course of one credit hour, a student is expected to spend three hours per week studying course materials.

Study Time for Online Courses

For an online course of one credit hour, a student is expected to spend four hours per week studying course materials.

Academic Integrity

Integrity (honesty) is expected of every student in all academic work. The guiding principle of academic integrity is that a student's submitted work must be the student's own. Students who engage in academic dishonesty diminish their education and bring discredit to the University community. Avoid situations likely to compromise academic integrity such as: cheating, facilitating academic dishonesty, and plagiarism; modifying academic work to obtain additional credit in the same class unless approved in advance by the instructor, failure to observe rules of academic integrity established by the instructor. **The use of another person's ideas or work claimed as your own without acknowledging the original source is known as plagiarism and is prohibited.**

Diné Philosophy of Education

The Diné Philosophy of Education (DPE) is incorporated into every class for students to become aware of and to understand the significance of the four Diné philosophical elements, including its affiliation with the four directions, four sacred mountains, the four set of thought processes and so forth: Nitsáhákees, Nahát'á, Íina and Siih Hasin which are essential and relevant to self-identity, respect and wisdom to achieve career goals successfully.

Students with Disabilities

The Navajo Technical University and **Sumathi Ragavanantham , Assistant Professor, School of Engineering, Math and Technology** are committed to serving all enrolled students in a non-discriminatory and accommodating manner. Any student who feels he/she may need an accommodation based on the impact of disability or needs special accommodations should inform NTU in accordance with the procedures of the subsection entitled “Students with Disabilities” under Section 7: Student Support Programs, NTU Student Handbook.

Email Address

Students are required to use NTU's email address for all communications with faculty and staff.

Final Exam Date: May 12th 2022