

ITD 110 (D01A)
Web Page Design I
Course Syllabus

Instructor	Jeffrey Elkner
Session	Fall 2020
Meeting Days	A Day
Time	8:00 - 9:30 am
Location	Arlington Career Center Room 508
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Course Description:

Stresses a working knowledge of web site designs, construction, and management using HTML. Includes headings, lists, links, images, image maps, tables, and forms. Provides a working knowledge of website management from a Unix shell environment.

General Course Purpose:

Introduces students to the development of web sites while coding HTML and CSS. Students will learn site design, construction, and management using HTML and CSS. Students will not be using automated code generators in this course.

Course Prerequisites/Co-Requisites:

Prerequisite: None

Course Objectives:

Upon completing the course, the student will be:

1. knowledgeable in current web page creation technologies.
2. proficient in using text editors to write HTML and CSS code.
3. able to discuss, recognize, and apply the elements of good design.
4. familiar with the use of web servers.

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Major Topics to be Included:

1. Getting started with HTML and CSS
2. Formatting text
3. Creating hypertext links
4. Using color and graphics
5. Using tables
6. Creating user-friendly navigation
7. Working with HTML forms
8. Working with Cascading Style Sheets
9. Designing HTML and CSS for multiple devices (Responsive Design)
10. Incorporating audio and video elements
11. Publishing to a web server using FTP (File Transfer Protocol)
12. Understanding the implications of copyrights on web design
13. Knowledge of the basics of accessibility as it relates to web design

Student Outcomes:

Getting Started with HTML

- Understand the history of the WWW and HTML
- Use basic HTML syntax correctly
- Create headers, paragraphs, and lists
- Display HTML document in Web browser

Working with Cascading Style Sheets

- Distinguish the proper type of stylesheet to implement.
- Use inline styles
- Use embedded style sheets
- Use external style sheets

Formatting

- Use font styles to change font size, color, and face
- Use styles to change text, background and link colors
- Use color names and values in specifying formats

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Creating Links

- Understand relative and absolute pathnames
- Link to a document in the same directory
- Link to a URL
- Link to a section of a document
- Link to email addresses
- Link to folders
- Create a link using an image
- Create a link which will open in a new browser tab/window

Working with graphics

- Demonstrate the use of GIF, JPG and .PNG files
- Understand image properties and attributes as they relate to alignment, image size, spacing, ALT attributes, and borders
- Understand the difference between client-side and server-side image maps
- Create image map hotspots

Using Tables

- Demonstrate an understanding of how tables affect content layout
- Effectively use tables to create a page layout
- Create pages using nested tables
- Demonstrate the ability to make cells span rows or columns
- Identify the tags required to create a table
- Demonstrate the ability to define cell size, spacing, and padding

Creating User Friendly Navigation

- Discuss and Identify the basics of navigational design
- Produce multiple versions of navigational menus
- Select the best navigational design for a specific purpose

Working with HTML Forms

- Create forms using all form objects.
- Create forms using the button, submit, and reset button tags
- Understand server-side processing

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Incorporate Audio and Video

- Describe the common types of web audio
- Incorporate audio into the site design
- Describe the common types of web video
- Incorporate video in the site design

Publishing using FTP (File Transfer Protocol)

- Upload files to a web server
- Manage folders and files on a web server

Time Allocation per Topic

The following table has the breakdown of the time in this course that will be spent on each course topic:

Topic	Hours	Percentage
Getting Started with HTML	3	6.7%
Formatting	2	4.4%
Creating Links	4	8.9%
Working with Graphics	3	6.7%
Using Tables	3	6.7%
Creating User Friendly Navigation	3	6.7%
Working with HTML Forms	4	8.9%
Working with Cascading Style Sheets	9	20%
Design HTML and CSS for multiple devices (Responsive Design)	3	6.7%
Incorporate audio and video elements	3	6.7%
Publishing and FTP	2	4.4%
Other Optional Content (Copyrights, Accessibility)	3	6.7%
Exams and Quizzes (NOT including final exam)	3	6.7%
Total:	45	100%

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Required Instructional Materials:

- [Getting Down with the Unix CLI](#)
- [Getting Down with HTML](#)
- [Getting Down with CSS](#)

Course Credit: 3 Credits

Policies:

I. Grading Policies

- a. Grading Scale
A= 100 - 90 B= 89 - 80 C= 79 - 70 D=69 - 60 F= 59 and below
- b. Students will receive a weekly holistic letter grade that will incorporate classwork, quizzes, tests, projects, and presentations. These weekly evaluations can be challenged by the student, *but only during the week immediately following when the evaluation is given.*
- c. The average of the weekly evaluations will make up 70% of the final grade, with the course final exam making up 30%.
- d. In cases where district grading policies conflict with college grading policies, the high school and college grades may differ; this may include assignment/test retakes, extended assignment due dates, capped minimum grade allowed, among other such district policies.
- e. It is important that students check their final NOVA grades in Blackboard as soon as the course(s) completed.

II. Course Policies

- a. **Academic Integrity**
 - i. The College does not tolerate academic dishonesty. Students who are not honest in their academic work will face disciplinary action along with any grade penalty the instructor imposes. Procedures for disciplinary measures and appeals are outlined in the Student Handbook (<http://www.nvcc.edu/students/handbook/>). In extreme cases, academic dishonesty may result in dismissal from the College.
 - ii. **Plagiarism:** is the act of appropriating passages from the work of another individual, either word for word or in substance, and representing them as one's own work. This includes any submission of written work other than one's own. In short, plagiarism means using the exact words, opinions, or factual information from another person without giving that person credit. Students who are not honest in their academic work will face disciplinary action along with any grade penalty the instructor imposes. For more information about student academic integrity: <https://www.nvcc.edu/curcatalog/policies/integrity.html>
- b. **Attendance Policy**
 - i. Regular attendance is essential for success in Web Page Design I. Absences in which work is not made up either in the week in which they occur or the following week will be reflected in the weekly cumulative grade.
- c. **Disabilities**
 - i. Students with disabilities are required to contact NOVA's Office of Disability Support Services (DSS) to discuss possible accommodations. All information is kept confidential and may increase

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your chances of success in the academic setting. If accommodations are agreed upon, student will receive a Memorandum of Accommodation (MOA) by DSS. For more information about NOVA’s DSS office: <https://www.nvcc.edu/disability-services>.

d. Self-Advocacy

- i. Students are expected to reach out to their instructor if they do not understand content or expectations.
- ii. College instructors and other college personnel will not talk with a parent without the permission of and presence of the student. The conversation is between the administrator / faculty member and the student. The parent’s role is to listen, give moral support, and summarize information and agreements if needed.
- iii. Dual enrolled students have access to full NOVA campus services including tutoring, library, and counseling services; student resources are found here: <http://www.nvcc.edu/students/index.html>

III. Course Schedule

a. Critical Course Dates

Course Start Date	Monday, September 14, 2020
Course Drop Date	Friday, October 2, 2020
Course Withdrawal Date	Friday, December 4, 2020
Final Exam Date	Week of January 25 to 29, 2021
Course End Date	Friday, January 29, 2021

- b. Final Exam Date:** *The final exam will be given during the last week of class, between Monday, January 25 and Friday, January 29.*