

Virginia Western Community College
ITD 110
Web Page Design I

Prerequisites

None

Course Description

Stresses a working knowledge of web site designs, construction, and management using HTML or XHTML. Includes headings, lists, links, images, image maps, tables, forms, and frames.

Semester Credits: 3 Lecture Hours: 3 Lab/Clinical/Internship Hours: 0

Required Materials**Textbook:**

The HTML and CSS Workshop, Packt Publishing, copyright 2020, authors Lewis Coulson, Brett Jephson, Rob Larsen, Matt Park, and Marian Zburlea, ISBN 9781838824532.

Other Required Materials:

Freeware: code editor (Visual Studio, Atom, etc.), virtual server (XAMPP, etc.)

Course Outcomes

At the completion of this course, the student should be able to:

- Describe the basics of web design
- Describe the evolution of the Internet and the web
- Be able to format text
- Be able to hyperlink internally and externally on web pages
- Apply the concepts of web color
- Be able to pick appropriate web graphics
- Be able to adjust, crop, and modify graphics for web use
- Describe the concepts of HTML forms and their widgets
- Be able to work with web page tables
- Use and apply cascading style sheets
- Be able to control web page styling through style sheets
- Use and apply the fundamentals of inline versus block elements

Topical Description

Module 1

Introduction to HTML and CSS
Structure and Layout

Module 2

Text and Typography
Forms

Module 3

Themes, Colors, and Polish
Responsive Web Design and Media Queries

Module 4

Media - Audio, Video, and Canvas
Animations

Module 5

Accessibility
Preprocessors and Tooling

Module 6

Maintainable CSS
Web Components

Notes to Instructors

- none