



v c c . c a

# CSTP 1106: Website Development

---

## EFFECTIVE DATE

September 2019

## DEPARTMENT

Computer Systems Tech Diploma

## DESCRIPTION

This course covers the fundamentals of website development and design using Hypertext Markup Language (HTML), Cascading Style Sheets (CSS), and JavaScript. Students will learn how to create structured websites using HTML; how to use the most up to date CSS styles to create responsive, visually-interesting pages and captivating graphical designs; and how to implement client-side script using basic concepts in JavaScript to access Document Object Model (DOM) elements, to validate web forms, and to perform site management.

## CREDITS

3.0

## YEAR OF STUDY

1st Year Post-secondary

## PREREQUISITES

Admission to the Computer Systems Technology diploma program

## COREQUISITES

None

## COURSE LEARNING OUTCOMES

Upon successful completion of this course, students will be able to:

- Describe the World Wide Web and Hyper Text Markup Language (HTML)
- Create hypertext documents
- Design web pages using fonts, colours and graphics
- Design web pages using multimedia resources
- Design web pages using tables and columns
- Use XML to create web documents
- Design websites formatted using Cascading Style Sheets (CSS)
- Create web forms

- Use tools to provide consistent website design
- Identify introductory JavaScript features such arrays, loops, and conditional statements
- Implement basic client-side programming using JavaScript for accessing DOM elements and processing form data

## PRIOR LEARNING ASSESSMENT & RECOGNITION (PLAR)

None

## HOURS

Lecture: 30

Lab: 30

## INSTRUCTIONAL STRATEGIES

Instructional strategies include classroom lectures, demonstrations, group discussions, computer lab and hands-on practical work.

## GRADING SYSTEM

Letter Grade (A-F)

## PASSING GRADE

C

## EVALUATION PLAN

Type	Percentage	Assessment activity
Assignments	50	5 assignments
Midterm Exam	25	
Final Exam	25	

## COURSE TOPICS

- The basics of the World Wide Web and HyperText Markup Language (HTML).
- Hypertext documents
- Web pages: fonts, colours and graphics
- Web pages: multimedia resources
- Web pages: tables
- XML

- Cascading Style Sheets (CSS)
- Web page: forms
- Intelligent websites using javascript
- Client-Server, DOM

## LEARNING RESOURCES

None

Notes:

- Course contents and descriptions, offerings and schedules are subject to change without notice.
- Students are required to follow all College policies including ones that govern their educational experience at VCC. Policies are available on the VCC website at:  
<https://www.vcc.ca/about/governance--policies/policies/>.
- To find out how this course transfers, visit the BC Transfer Guide at <https://www.bctransferguide.ca>.

---

### Broadway campus

1155 East Broadway  
Vancouver, B.C. Canada  
V5T 4V5

### Downtown campus

250 West Pender Street  
Vancouver, B.C. Canada  
V6B 1S9

### Annacis Island campus

1608 Cliveden Avenue  
Delta, B.C. Canada  
V3M 6P1

604.871.7000

**VCC.ca**

Generated at: 8:09 am on Apr. 10, 2021