HTTP Critical Path
Front-End Web Development
HTTP 5122 Winter 2025   Instructor: Sean Doyle   sean.doyle@humber.ca

The Critical Path is the course schedule. It is an important document that lays out weekly **and/or** module objectives that you are responsible for to ensure academic success. Download and/or print out a copy of the Critical Path and refer to it regularly.

Module Breakdown

Lesson	Topics, Readings, and Activities	Due 0NA / 0NB	Weight
1	**Module 1: Programming Fundamentals** **Topics:** • Variables • Arithmetic operators • Data types • Commenting **Activities:** • Lab Exercise 1 (2%)	Jan 14	2%
2	**Module 1: Programming Fundamentals** **Topics:** • Control structures (if/else and switch) • Logical and assignment operators • confirm() and prompt() **Activities:** • Lab Exercise 2 (3%) • Assignment 1 (6%)	Jan 21 Jan 24	3% 6%
3	**Module 1: Programming Fundamentals** **Topics:** • Arrays • Loops **Activities:** • Lab Exercise 3 (4%) • Assignment 2 (7%)	Jan 28 Jan 31	4% 7%

Lesson	Topics, Readings, and Activities	Due 0NA / 0NB	Weight
4	**Module 1: Programming Fundamentals** **Topics:** • Functions • Scope • Pet Projects **Activities:** • Lab Exercise 4 (4%)	Feb 4	4%
5	**Module 1: Programming Fundamentals** **Topics:** • Objects **Activities:** • Lab Exercise 5 (4%) • Assignment 3 (7%)	Feb 11 Feb 14	4% 7%
6	**Module 2: DOM Programming** **Topics:** • The Document Object Model • Events **Activities:** • Lab Exercise 6 (3%)	Feb 18	3%
7	**Pet Project** **Topics:** • Pitch project idea • Clarify and set scope for the major project **Activities:** • One on one meeting (3%)	Feb 28	3%
	READING WEEK (no classes this week)		
8	**Module 2: DOM Programming** **Topics:** • Handling forms	Mar 11	4%

Lesson	Topics, Readings, and Activities	Due 0NA / 0NB	Weight
	Activities: • Lab Exercise 7 (4%) • Assignment 4 (10%)	Mar 18	10%
9	**Module 4: Special DOM Objects** **Topics:** • Math object • Date object • Timers **Activities:** • Lab Exercise 8 (4%) • Pet Project Figma (4%)	Mar 18 Mar 21	4% 4%
10	**Module 4: Special DOM Objects** **Topics:** • XMLHttpRequest() • Cookies • localStorage **Activities:** • Lab Exercise 9 (4%)	Mar 25	4%
11	**Module 5: JavaScript Libraries & APIs** **Topics:** • Accessing external data through web APIs **Activities:** • Lab Exercise 10 (2%) • Assignment 5 (9%)	Apr 1 Apr 15	2% 9%
12	**Module 5: JavaScript Libraries & APIs** **Topics:** • jQuery **Activities:** • Lab Exercise 11 (2%)	Apr 8	2%

Lesson	Topics, Readings, and Activities	Due 0NA / 0NB	Weight
13	**Module 5: JavaScript Libraries & APIs** **Topics:** Alternate strategies for accessing external data through web APIs		
14	**Module 6: Multimedia** **Topics:** - Audio - Video - Scalable Vector Graphics **Activities:** - Lab Exercise 12 (1%) - Pet Project Final Submission (17%)	Apr 22 Apr 22	1% 17%

Summary of Graded Course Components

Summary	Weight
Total for all Lab Exercises (x12)	37%
Total for all Assignments (x5)	39%
Total for Project (x3 components)	24%
Total	100%