HTTP Critical Path
Web Development 1 – Front-end (JavaScript)
HTTP 5111, Fall 2023

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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

Week	Topics, Readings, and Activities	Due A / B	Weight
1	**Module 1: Programming Fundamentals** **Topics:** • Variables • Arithmetic operators • Data types • Commenting **Activities:** • Lab Exercise 1 (1%)	Sep 5 / 6	1%
2	**Module 1: Programming Fundamentals** **Topics:** • Control structures (if/else and switch) • Logical and assignment operators • confirm() and prompt() **Activities:** • Lab Exercise 2 (2%) • Assignment 1 (4%)	Sep 12 / 13 Sep 15	2% 4%
3	**Module 1: Programming Fundamentals** **Topics:** • Arrays	Sep 19 / 20	2%

Week	Topics, Readings, and Activities	Due A / B	Weight
	• Loops **Activities:** • Lab Exercise 3 (2%) • Assignment 2 (4%)	Sep 22	4%
4	**Module 1: Programming Fundamentals** **Topics:** • Functions • Scope **Activities:** • Lab Exercise 4 (2%)	Sep 26 / 27	2%
5	**Module 1: Programming Fundamentals** **Topics:** • Objects **Activities:** • Lab Exercise 5 (2%) • Assignment 3 (4%)	Oct 3 / 4 Oct 6	2% 4%
6	**Module 2: DOM Programming** **Topics:** • The Document Object Model • Events **Activities:** • Lab Exercise 6 (2%)	Oct 10 / 11	2%
7	**Module 2: DOM Programming** **Topics:** • Handling forms **Activities:** • Lab Exercise 7 (2%)	Oct 17 / 18 Oct 20	2% 4%

Week	Topics, Readings, and Activities	Due A / B	Weight
	• Assignment 4 (4%)		
	READING WEEK (no classes)		
8	**Module 3: Pet Project** **Topics:** • Pitch project idea • Clarify and set scope for the major project **Activities:** • One on one meeting (2%) • Final pet project submission (8%)	Nov 3 Dec 15	2% 8%
9	**Module 4: Special DOM Objects** **Topics:** • Math object • Date object • Timers **Activities:** • Lab Exercise 8 (2%)	Nov 7 / 8	2%
10	**Module 4: Special DOM Objects** **Topics:** • XMLHttpRequest() • Cookies • localStorage **Activities:** • Lab Exercise 9 (2%)	Nov 14 / 15	2%
11	**Module 5: JavaScript Libraries & APIs** **Topics:** • jQuery **Activities:**	Nov 21 / 22	1%

Week	Topics, Readings, and Activities	Due A / B	Weight
	• Lab Exercise 10 (1%)		
12	**Module 5: JavaScript Libraries & APIs** **Topics:** • Accessing external data through web APIs **Activities:** • Lab Exercise 11 (1%) • Assignment 5 (4%)	Nov 28 / 29 Dec 15	1% 4%
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%)	Dec 12 / 13	1%

Summary of Graded Course Components

Summary	Weight
Total for all Lab Exercises (x12)	20%
Total for all Assignments (x5)	20%
Total for all Projects (x1)	10%
Total	50%