

HTTP Critical Path

Front-End Web Development

HTTP 5122, Winter 2024

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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: <ul style="list-style-type: none">• Variables• Arithmetic operators• Data types• Commenting Activities: <ul style="list-style-type: none">• Lab Exercise 1 (2%)	Jan 10 / 11	2%
2	Module 1: Programming Fundamentals Topics: <ul style="list-style-type: none">• Control structures (if/else and switch)• Logical and assignment operators• confirm() and prompt() Activities: <ul style="list-style-type: none">• Lab Exercise 2 (4%)• Assignment 1 (8%)	Jan 17 / 18 Jan 22	4% 8%
3	Module 1: Programming Fundamentals Topics: <ul style="list-style-type: none">• Arrays	Jan 24 / 25	4%

Week	Topics, Readings, and Activities	Due A / B	Weight
	<ul style="list-style-type: none"> Loops Activities: <ul style="list-style-type: none"> Lab Exercise 3 (4%) Assignment 2 (8%) 	Jan 29	8%
4	Module 1: Programming Fundamentals Topics: <ul style="list-style-type: none"> Functions Scope Activities: <ul style="list-style-type: none"> Lab Exercise 4 (4%) 	Jan 31 / Feb 1	4%
5	Module 1: Programming Fundamentals Topics: <ul style="list-style-type: none"> Objects Activities: <ul style="list-style-type: none"> Lab Exercise 5 (4%) Assignment 3 (8%) 	Feb 7 / 8 Feb 12	4% 8%
6	Module 2: DOM Programming Topics: <ul style="list-style-type: none"> The Document Object Model Events Activities: <ul style="list-style-type: none"> Lab Exercise 6 (4%) 	Feb 14 / 15	4%
7	Module 2: DOM Programming Topics: <ul style="list-style-type: none"> Handling forms Activities: <ul style="list-style-type: none"> Lab Exercise 7 (4%) 	Feb 21 / 22 Mar 8	4% 8%

Week	Topics, Readings, and Activities	Due A / B	Weight
	<ul style="list-style-type: none"> Assignment 4 (8%) 		
READING WEEK (no classes)			
8	Module 3: Pet Project Topics: <ul style="list-style-type: none"> Pitch project idea Clarify and set scope for the major project Activities: <ul style="list-style-type: none"> One on one meeting (3%) Final pet project submission (17%) 	Mar 8 Apr 19	3% 17%
9	Module 4: Special DOM Objects Topics: <ul style="list-style-type: none"> Math object Date object Timers Activities: <ul style="list-style-type: none"> Lab Exercise 8 (4%) 	Mar 13 / 14	4%
10	Module 4: Special DOM Objects Topics: <ul style="list-style-type: none"> XMLHttpRequest() Cookies localStorage Activities: <ul style="list-style-type: none"> Lab Exercise 9 (4%) 	Mar 20 / 21	4%
11	Module 5: JavaScript Libraries & APIs Topics: <ul style="list-style-type: none"> jQuery Activities:	Mar 27 / 28	2%

Week	Topics, Readings, and Activities	Due A / B	Weight
	<ul style="list-style-type: none"> Lab Exercise 10 (2%) 		
12	Module 5: JavaScript Libraries & APIs Topics: <ul style="list-style-type: none"> Accessing external data through web APIs Activities: <ul style="list-style-type: none"> Lab Exercise 11 (2%) Assignment 5 (8%) 	Apr 3 / 4 Apr 19	2% 8%
13	Module 5: JavaScript Libraries & APIs Topics: <ul style="list-style-type: none"> Alternate strategies for accessing external data through web APIs 		
14	Module 6: Multimedia Topics: <ul style="list-style-type: none"> Audio Video Scalable Vector Graphics Activities: <ul style="list-style-type: none"> Lab Exercise 12 (2%) 	Apr 17 / 18	2%

Summary of Graded Course Components

Summary	Weight
Total for all Lab Exercises (x12)	40%
Total for all Assignments (x5)	40%
Total for all Projects (x1)	20%
Total	100%