Critical Path

Web Programming

HTTP 5103, Winter 2021

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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

Module	Topics, Readings, and Activities	Due Dates	Weight
1	**Module 1: How Websites Work** **Topics:** • Introduction to Course • How the web works • How websites work • Semantic HTML markup **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (0%)		
2	**Module 2: Think Like a Programmer** **Topics:** • Introduction to JavaScript • Variables, Data Types, Operators	Week 2	6%

Module	Topics, Readings, and Activities	Due Dates	Weight
	• Comments in JavaScript **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%) Assignment 1 (3%)		
3	**Module 3: Control Structures - 1** **Topics:** • *if/else* and *switch* statements • Comparison & Logical Operators • *confirm* and *prompt* boxes **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%)	Week 3	3%
4	**Module 4: Control Structures - 2** **Topics:** • Arrays • Loops **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%) Assignment 2 (6%)	Week 4	9%

Module	Topics, Readings, and Activities	Due Dates	Weight
5	**Module 5: Functions & Objects** **Topics:** • Creating Your Own Functions • Object Oriented Programming **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%) Assignment 3 (6%)	Week 5	9%
6	**Module 6: Introduction to the DOM** **Topics:** • The Document Object Model • Events in JavaScript **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (2%) Restaurant Project - Define (3%)	Week 6	5%
7	**Module 7: Midterm Tutorial Project** **Activities:** Midterm Tutorial Project (10%)	Week 7	10%
8	**Module 8: Project Check-Ins**	Week 8	7%

Module	Topics, Readings, and Activities	Due Dates	Weight
	Activities: Pet Project Pitch (2%) Restaurant Project - 1st page (5%)		
9	**Module 9: Time & Dates in JavaScript** **Topics:** • Math Object • Date Object • Timers **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%) Assignment 4 (6%)	Week 9	9%
10	**Module 10: Working with Forms** **Topics:** • Regular Expressions • Events in JavaScript **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%)	Week 10	3%
11	**Module 11: Third Party Libraries** **Topics:**	Week 11	3%

Module	Topics, Readings, and Activities	Due Dates	Weight
	• jQuery • Content Delivery Networks **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%)		
12	**Module 12: Server-side JavaScript** **Topics:** • AJAX • Data storage with JavaScript **Readings:** • Provided on Blackboard **Activities:** Lab Exercise (3%)	Week 12	3%
13	**Module 13: Pet Projects** **Activities:** Assignment 5 (6%) Pet Project Final Product (8%)	Week 13	14%
14	**Module 14: Multimedia** **Topics:** • Web Audio • Web Video • Scalable Vector Graphics in HTML	Week 14	14%

Readings: • Provided on Blackboard **Activities:** Lab Exercise (2%) Restaurant Project Final Product (12%)		

Summary of Graded Course Components

Summary	Weight
Total for Lab Exercises **(x 11)**	28%
Total for all Assignments **(x 5)**	27%
Total for Independent Projects **(x 2)**	20%
Total for Team Restaurant Project	20%
Total for Playdays Activities	5%
Total	100%