



Approved by Chair:

Jan 8, 2020

Signature

COURSE SECTION INFORMATION

Web Development Fundamentals

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Out of Class Assistance

Course Code COMP1223

Course Section: all

Academic Year 201902

Term: Winter 2020

LIST OF TEXTBOOKS AND OTHER TEACHING AIDS:

Required:

1. Murach's HTML5 and CSS3 (4th Edition) by Zak Ruvalcaba and Anne Boehm 20 chapters, 711 pages, 297 figures Published March 2018 ISBN 978-1-943872-26-8

Recommended Resources:

1. http://www.w3schools.com/html/html5_intro.asp
2. <http://www.w3schools.com/css3/>

Detailed Evaluation System

Assessment Tool:	Description:	Outcome(s) assessed:	EES assessed:	Date / Week:	% of Final Grade:
Quizzes 8 @ 1.5%	The best eight quizzes mark out of all given will count.	1-7	1,2,3,4, 5,6,10,11	1-14	12%

Lab exercises 8	Grade calculated based on atKlass and GBLearn statistics	1-7	1,2,3,4, 5,6,10,11	1-14	8%
Assignment 1	Individual assignment	1-5	2,3,4, 5,6,10,11	3	2%
Assignment 2	Individual assignment	1-7	1,2,3,4,5, 6,7,8,10,11	8	7%
Assignment 3		1-7	1,2,3,4,5, 6,7,8,10,11	12	13%
Lab Tests 2 x 4	Hands-On lab exercises.	1-7	2,3,4,5,6	7, 14	8%
Mid-term Exam	Mixed format test week 1-7	1-7	2,3,4,5,6	7	20%
Final Exam	Mixed format test week 1-14	1-7	2,3,4,5,6	15	30%
				TOTAL	100%

Learning Schedule / Topical Outline (subject to change with notification)
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TOPICAL OUTLINE:

Week	Module	Content / Activities	Resources
1	1	- Course information and resources.	
	2	- History of HTML - Client-server interaction and terms (domain/hosting/wan/lan/ip/http/ftp/web browser)	Chapter 1,18
	3	- Environment setup & configuration - Text Editors & IDEs - HTML/CSS Documentation	
2	1	- Organizing your website structure and resources - Steps to update profile page (Assignment 1)	Chapter 2,3
	2	- HTML tags and attributes - HTML inline and block elements - Character entities and HTML comments	
	3	- HTML basic layout - HTML5 semantic elements - HTML head (Title/meta/style/link/script/base) - Validate HTML page	

3	1	- Absolute and relative path	Chapter 3
	2	- Image types - Include images to HTML document - HTML5 figure and figcaption elements - Copywrite and creative license	
	3	- Include links to HTML document - Link types (placeholder/email/target)	
4	1	- HTML unordered / ordered / description lists - Nested list	Chapter 7
	2	- HTML table rows/columns - Table semantic elements /head/body/footer/caption - Merging rows and columns	Chapter 12
5	1	- CSS syntax selector and declaration - CSS basic properties and values - CSS measurements and colors - CSS reset/ font / text / background / border / color	Chapter 4
	2	- CSS Types inline/internal/external - Cascade rules (inheritance and priority)	
	3	- Inspect and modify style using developer tools	
6	1	- CSS selectors class/ id / - CSS relational and combination selectors - CSS pseudo-class selector - CSS pseudo-element selectors - CSS attribute selectors - CSS shadow /rounded corners/gradian	Chapter 4,5
	2	- CSS @font-face and online font (google/adobe) - Print friendly CSS	Chapter 15
		- Inspect and modify style using developer tools	
	3	- HTML div and span elements - Float and clear element	Chapter 6
7	Mid-term Exam		
8	Intersession Week		
9	1	- CSS position	Chapter 6
	2	- CSS box model	Chapter 5

	3	- HTML basic layout using div/semantic elements	Chapter 5
	4	- Page /fluid/fixed layout	Chapter 6,7,8
10	1	- Responsive web design	Chapter 8
	2	- Media query - Viewport	Chapter 8
	3	- Page /fluid/fixed layout	Chapter 6,8
	4	- Introduction to flexbox layout	Chapter 9
	5	- Introduction to Grid layout	Chapter 10
11/12	1	- Introduction to CGI	Chapter 13
	2	- HTML form and form elements	
	3	- fieldset and legend elements	
	4	- HTML5 basic data validation	
13	1	- Image mapping	Chapter11
	2	- HTML5 Video and Audio	Chapter14
	3	- Introduction to CSS animation	Chapter15
14	1	- Steps to run your web design business	
15	Final Exam		
<p>Please note: this schedule may change as resources and circumstances require. For information on withdrawing from this course without academic penalty, please refer to the College Academic Calendar: http://www.georgebrown.ca/Admin/Registr/PSCal.aspx</p>			