

**ARTICULATION AGREEMENT**

**DATE DRAFTED:** January 8, 2020

**VALID ACADEMIC YEAR:** 2019-20 & 2020-21

**LMC COURSE:** COMSC-030 "Web Site Development-Part 1" & COMSC-031 "Web Site Development-Part II"

**HIGH SCHOOL COURSE:** Introduction to Web Design

**School:** Antioch High School

**Address:** 700 W 18th St, Antioch, CA 94509

**A. HIGH SCHOOL COURSE DESCRIPTION:** In today's world, web pages are the most common medium for sharing ideas and information. Learning to design websites is an incredibly useful skill for any career path. The CodeHS Web Design course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping and user testing, and will work together to create professional, mobile responsive websites.

**B. UNITS: 1.5 each (3 units total)**

**C. PRE-REQUISITES: NA**

**D. REQUIRED CONTENT FOR ARTICULATION:**

"Web Design provides a hands-on introduction to designing, building, and launching websites. First, students learn how the World Wide Web works, and they examine successful websites. Then they learn the basics of HTML coding and create their own web pages. Next, students explore various web development tools, and they get practice creating websites using Bootstrap. They learn how to make their websites more effective by applying the principles of design as well as usability and accessibility criteria. In the final unit, students explore a variety of web design careers that they might want to pursue.

**E. REQUIRED COMPETENCIES (PERFORMANCE OBJECTIVES) FOR ARTICULATION**

By the end of the first semester, Students will:

1. Identify, discuss, and apply interactive design concepts for web production.
2. Apply the basic vocabulary used for the study of web design.
3. Evaluate a variety of web design techniques and their effective use in the creation of a website.
4. Apply the processes of web planning, design, and development.
5. Identify, discuss, and apply the basic principles of typography, color and layout as they apply to webpages.
6. Compare and contrast benefits of various tools and methods used to create a website.
7. Apply semantic markup principles and web standards when structuring web content with HTML.
8. Apply CSS to enhance the presentation of web content.
9. Construct and publish web pages using current versions of HTML, CSS, and web design tools.

10. Analyze, test, validate, and troubleshoot web pages.

Unit Name	Unit #	Lesson #	Learning Objective	Description
Getting Started	1	2	3	Explain how the Internet works and how documents are connected and transferred
	1	3	7	Categorize websites according to their purpose
	1	4	9	Deduce the meaning of HTML tags and apply them to a sample web page
	1	4	10	Describe how HTML coding works
Overview of Website Development	2	5	1	Compare and contrast writing HTML using a text editor and using an HTML (WYSIWYG) editor
	2	5	4	Describe a web design tool, technology, or editing application and explain its uses, benefits, limitations, and special features
	2	6	5	Identify the steps in the web development cycle
	2	6	7	Describe the different types of business requirements that apply to website design
Designing a Website	3	7	1	Display understanding of the purposes of site maps and wireframes
	3	8	5	Identify industry best practices in visual design
Producing a Website	4	10	3	Characterize effective writing for the web
	4	10	5	Demonstrate ability to prepare various types of graphical content for use on a web page
	4	11	6	Evaluate a website for basic usability and accessibility issues
Hosting a Website and	5	12	2	Evaluate criteria upon which to select an appropriate web host
	5	13	6	Explain and describe the best practices for attracting traffic to websites
Careers in Web Design	6	14	1	List the types of jobs that are available in the web industry

#### F. METHODS FOR END OF COURSE ASSESSMENT:

Grading Scale:

A:100-90

B:89-80

C:79-70

D:69-60

F:59-0

1. Credit by exam: Students must receive a grade of “B” or better on the final exam. Readings, essays, and written reports focused on comparing and contrasting, evaluating, or analyzing Web design principles and their effectiveness.
2. Classroom Discussions of the web design process and presentations of student created websites to clients.
3. Projects focused on demonstrating knowledge of designing and building websites using HTML and CSS.
4. Linked Learning projects with community members.
5. Periodic quizzes, Final Exam, Final Project

#### G. PROCEDURES AND/OR CRITERIA FOR COURSE ARTICULATION:

1. Complete the **Introduction to Web Design** course and the final at **Antioch High School** with a grade of “B” or better.
2. Be recommended for credit by the high school teacher.
3. Apply for admission at Los Medanos College.
4. Register for CATEMA for electronic recommendation of college credit **within the academic year in which credit was earned.**
5. Upon completion of the above, the student will receive on his/her LMC and CCCCD (California Community College District) transcript the units of credit for LMC’s COMSC-030 & 031 courses.
6. College transcripts will reflect the **FINAL EXAM GRADE** earned and will be notated as \*Credit by Exam.

#### H. TEXTBOOKS OR OTHER SUPPORTING MATERIALS

- [www.w3schools.com](http://www.w3schools.com)
- [www.sololearn.com](http://www.sololearn.com)

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**COLLEGE SIGNATURES**

*Nancy Ybarra*  
Nancy Ybarra (Jan 31, 2020)

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Nancy Ybarra Date  
LMC Vice President of Instruction (Interim)

*Ryan Pedersen*  
Ryan Pedersen (Jan 31, 2020)

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Ryan Pedersen Date  
LMC Interim Dean of Mathematics & Sciences

*Louie M. Giambattista*  
Louie M. Giambattista (Jan 30, 2020)

\_\_\_\_\_  
Louie Giambattista Date  
LMC Department Chair

*Joenil Mistal*  
Joenil Mistal (Jan 31, 2020)

\_\_\_\_\_  
Joenil Mistal Date  
LMC Faculty

**HIGH SCHOOL/ROP/DISTRICT SIGNATURES**

*Louie Rocha*  
Louie Rocha (Jan 31, 2020)

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Louis Rocha Date  
Principal, Antioch High School

*Michael V. Santos*  
Michael V. Santos (Feb 4, 2020)

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Mike Santos Date  
AUSD Director of Program Improvement

*Christine Ibarra*  
Christine Ibarra (Feb 3, 2020)

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Christine Ibarra Date  
AUSD Associate Superintendent, Educational Services

*Amy Bettencourt*  
Amy Bettencourt (Feb 3, 2020)

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Amy Bettencourt Date  
AUSD Director of Educational Services, Instruction Support

*Kent McCutcheon*  
Kent McCutcheon (Feb 3, 2020)

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Kent McCutcheon Date  
Faculty, Antioch High School