

ARTICULATION AGREEMENT

DATE DRAFTED: February 2024

VALID ACADEMIC YEARS: FA23-SP24

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. COLLEGE COURSE DESCRIPTION: COMSC-030** - This course will teach students how to program web pages for the Internet using HTML and XHTML, and other web software programs. Understanding the structure of HTML and XHTML is essential to edit and troubleshoot websites. The course also includes website design and layout, how Internet websites perform, and how to create a website for a business, eBay, educational purposes, a nonprofit organization, or personal use. **COMSC-031** - This course is an introduction to different web designing software programs used to design a website. It covers the layout and organizing of content, photos, video, sounds, and graphics on a web page, selecting a domain name, finding a web host, and how to upload web pages to the Internet. Students will design a website for their business, educational, non-profit, or personal use.
- B. UNITS: 1.5 each (3 units total)**
- C. PRE-REQUISITES: NA**
- D. 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.
- E. 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.

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 Attracting	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. 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.

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
- www.sololearn.com

ARTICULATION AGREEMENT

DATE DRAFTED: February 2024
VALID ACADEMIC YEARS: FA23-SP24

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

COLLEGE SIGNATURES

HIGH SCHOOL/ROP/DISTRICT SIGNATURES

A'kilah Moore
[A'kilah Moore \(Mar 29, 2024 13:37 EDT\)](#)
A'kilah Moore Ed. D Date
LMC Vice President of Instruction (Interim)

Dennis Franco
[Dennis Franco \(Mar 29, 2024 08:28 PDT\)](#)
Dennis Franco Date
LMC Dean of Instruction, Computer Science

Ali Karahroudy
[Ali Karahroudy \(Mar 28, 2024 17:08 PDT\)](#)
Ali Asghary Karahroudy Date
LMC Computer Science Dept. Chair

Joenil Mistal
[Joenil Mistal \(Mar 14, 2024 00:19 PDT\)](#)
Joenil Mistal Date
LMC Computer Science Faculty

John Jimno
[John Jimno \(Apr 3, 2024 09:31 PDT\)](#)
John Jimno Date
Principal, Antioch High School

Christine Ibarra
[Christine Ibarra \(Apr 3, 2024 14:08 PDT\)](#)
Christine Ibarra Date
AUSD Associate Superintendent, Educational Services

Lindsay Wisely
[Lindsay Wisely \(Apr 3, 2024 12:20 PDT\)](#)
Lindsay Wisely Date
AUSD Director of Educational Services

Amy Bettencourt
[Amy Bettencourt \(Apr 3, 2024 12:24 PDT\)](#)
Amy Bettencourt Date
AUSD Director of Instruction Support

Erin Susoev
[Erin Susoev \(Apr 3, 2024 09:56 PDT\)](#)
Erin Susoev Date
Faculty, Antioch High School












COMSC-030-031_AHS_ARTIC_FA23-SP24

Final Audit Report

2024-04-03

Created:	2024-02-22
By:	Colleen Grim (cgrim490@email.4cd.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAB6quFDvtEjqdzvSnmbxkb5Ey4KoCgely

"COMSC-030-031_AHS_ARTIC_FA23-SP24" History

-  Document created by Colleen Grim (cgrim490@email.4cd.edu)
2024-02-22 - 7:05:06 PM GMT- IP address: 99.8.110.189
-  Document emailed to Joenil Mistal (jmistal@losmedanos.edu) for signature
2024-02-22 - 7:08:30 PM GMT
-  Email viewed by Joenil Mistal (jmistal@losmedanos.edu)
2024-03-14 - 7:17:35 AM GMT- IP address: 24.130.233.199
-  Document e-signed by Joenil Mistal (jmistal@losmedanos.edu)
Signature Date: 2024-03-14 - 7:19:25 AM GMT - Time Source: server- IP address: 24.130.233.199
-  Document emailed to aasghary@losmedanos.edu for signature
2024-03-14 - 7:19:27 AM GMT
-  Email viewed by aasghary@losmedanos.edu
2024-03-14 - 7:29:25 AM GMT- IP address: 172.226.212.14
-  Email viewed by aasghary@losmedanos.edu
2024-03-27 - 10:19:30 PM GMT- IP address: 104.28.124.106
-  Email viewed by aasghary@losmedanos.edu
2024-03-28 - 11:08:53 PM GMT- IP address: 104.28.124.97
-  Signer aasghary@losmedanos.edu entered name at signing as Ali Karahroudy
2024-03-29 - 0:08:33 AM GMT- IP address: 76.132.6.7
-  Document e-signed by Ali Karahroudy (aasghary@losmedanos.edu)
Signature Date: 2024-03-29 - 0:08:35 AM GMT - Time Source: server- IP address: 76.132.6.7
-  Document emailed to dfranco@losmedanos.edu for signature
2024-03-29 - 0:08:37 AM GMT

 Email viewed by dfranco@losmedanos.edu

2024-03-29 - 3:28:06 PM GMT- IP address: 67.161.34.185

 Signer dfranco@losmedanos.edu entered name at signing as Dennis Franco


2024-03-29 - 3:28:53 PM GMT- IP address: 67.161.34.185

 Document e-signed by Dennis Franco (dfranco@losmedanos.edu)


Signature Date: 2024-03-29 - 3:28:55 PM GMT - Time Source: server- IP address: 67.161.34.185

 Document emailed to amoore@losmedanos.edu for signature

2024-03-29 - 3:28:56 PM GMT

 Email viewed by amoore@losmedanos.edu


2024-03-29 - 5:36:34 PM GMT- IP address: 104.47.55.126

 Signer amoore@losmedanos.edu entered name at signing as A'kilah Moore

2024-03-29 - 5:37:07 PM GMT- IP address: 207.62.213.7

 Document e-signed by A'kilah Moore (amoore@losmedanos.edu)

Signature Date: 2024-03-29 - 5:37:09 PM GMT - Time Source: server- IP address: 207.62.213.7

 Document emailed to johnjimno@antiochschools.net for signature


2024-03-29 - 5:37:11 PM GMT

 Email viewed by johnjimno@antiochschools.net

2024-03-30 - 4:11:20 AM GMT- IP address: 172.226.212.11

 Signer johnjimno@antiochschools.net entered name at signing as John Jimno


2024-04-03 - 4:31:26 PM GMT- IP address: 169.199.67.30

 Document e-signed by John Jimno (johnjimno@antiochschools.net)

Signature Date: 2024-04-03 - 4:31:28 PM GMT - Time Source: server- IP address: 169.199.67.30

 Document emailed to erinsusoev@antiochschools.net for signature

2024-04-03 - 4:31:30 PM GMT

 Email viewed by erinsusoev@antiochschools.net

2024-04-03 - 4:55:42 PM GMT- IP address: 104.47.73.126

 Signer erinsusoev@antiochschools.net entered name at signing as Erin Susoev

2024-04-03 - 4:56:18 PM GMT- IP address: 169.199.67.30

 Document e-signed by Erin Susoev (erinsusoev@antiochschools.net)

Signature Date: 2024-04-03 - 4:56:20 PM GMT - Time Source: server- IP address: 169.199.67.30

 Document emailed to lindsaywisely@antiochschools.net for signature


2024-04-03 - 4:56:21 PM GMT

 Email viewed by lindsaywisely@antiochschools.net

2024-04-03 - 7:19:34 PM GMT- IP address: 169.199.67.3

 Signer lindsaywisely@antiochschools.net entered name at signing as Lindsay Wisely

2024-04-03 - 7:20:41 PM GMT- IP address: 169.199.67.3

 Document e-signed by Lindsay Wisely (lindsaywisely@antiochschools.net)

Signature Date: 2024-04-03 - 7:20:43 PM GMT - Time Source: server- IP address: 169.199.67.3

 Document emailed to amybettencourt@antiochschools.net for signature


2024-04-03 - 7:20:45 PM GMT

 Email viewed by amybettencourt@antiochschools.net


2024-04-03 - 7:23:57 PM GMT- IP address: 104.47.74.126

 Signer amybettencourt@antiochschools.net entered name at signing as Amy Bettencourt

2024-04-03 - 7:24:22 PM GMT- IP address: 169.199.67.3

 Document e-signed by Amy Bettencourt (amybettencourt@antiochschools.net)

Signature Date: 2024-04-03 - 7:24:24 PM GMT - Time Source: server- IP address: 169.199.67.3

 Document emailed to christineibarra@antiochschools.net for signature

2024-04-03 - 7:24:25 PM GMT

 Email viewed by christineibarra@antiochschools.net

2024-04-03 - 9:07:58 PM GMT- IP address: 104.47.73.254

 Signer christineibarra@antiochschools.net entered name at signing as Christine Ibarra

2024-04-03 - 9:08:27 PM GMT- IP address: 169.199.67.3

 Document e-signed by Christine Ibarra (christineibarra@antiochschools.net)

Signature Date: 2024-04-03 - 9:08:29 PM GMT - Time Source: server- IP address: 169.199.67.3

 Agreement completed.

2024-04-03 - 9:08:29 PM GMT