

ARTICULATION AGREEMENT

DATE DRAFTED: September 25, 2017

VALID ACADEMIC YEAR: 2017-18 & 2018-19

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 web sites. The course also includes web site design and layout, how Internet web sites perform, and how to create a web site for a business, eBay, educational, a non-profit organization, or personal use. "
- COMSC-031** "This course is an introduction to different web designing software programs used to design a web site. 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 uploaded web pages to the Internet. Students will design a web site for their business, educational, non-profit, or personal use."

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 Adobe Dreamweaver. 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.

The course includes a culminating project where students create a website for a client such as a nonprofit organization, a small business, or a school club. Students begin the project by examining their client's business requirements. Then they define a look and feel that is compatible with the client's requirements. After completing these planning steps, they create the website, which involves designing pages using HTML, Adobe Dreamweaver, preparing graphics, and writing effective web content. Finally, they test their website for usability and accessibility."

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 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. 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 Webdesign 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. Apply for admission at Los Medanos College.
3. Register for CATEMA for electronic submission of college credit **OR** obtain copy of high school transcript and articulation agreement and submit to the LMC Office of Admissions & Records.
4. Upon completion of the above, the student will receive on his/her LMC and CCCCD (California Community College District) transcripts the grade of “CR/NC” “A” or “B” and the unit credit for LMC’s COMSC-030 & COMSC-031 courses with a notation indicating college credit was granted by exam. (Credit by Exam)

H. TEXTBOOKS OR OTHER SUPPORTING MATERIALS

- National Academy Foundation (NAF) Curriculum. <https://naf.org/wp-content/uploads/2015/08/AOIT.pdf>
- Duckett, Jon. HTML and CSS: Design and Build Websites, 1st Edition; John Wiley & Sons, 2011
- Introduction to Web Design. www.highschoolwebdesign.com
- HTML Fundamentals, CSS, JavaScript: www.sololearn.com

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COLLEGE SIGNATURES

HIGH SCHOOL/ROP/DISTRICT SIGNATURES

Kevin P. Horan
Kevin P. Horan (Oct 10, 2017)

Oct 10, 2017

Kevin Horan
LMC Vice President of Instruction & Student Services

Date

Louie J. Rocha
Louis J. Rocha (Oct 10, 2017)

Oct 10, 2017

Louie Rocha
Principal, Antioch High School

Date

Ryan Pedersen
Ryan Pedersen (Oct 9, 2017)

Oct 9, 2017

Ryan Pedersen
LMC Interim Dean of Mathematics & Sciences

Date

Michael V. Santos/Andy Cannon
Michael V. Santos/Andy Cannon (Oct 16, 2017)

Oct 16, 2017

Mike Santos, Ed. D.
Director, Program Improvement/Secondary Education

Date

Louie M. Giambattista
Louie M. Giambattista (Sep 26, 2017)

Sep 26, 2017

Louie Giambattista
LMC Department Chair

Date

Kent Mccutcheon
Kent Mccutcheon (Oct 10, 2017)

Oct 10, 2017

Kent McCutcheon
Faculty, Antioch High School

Date

Joenil Mistal
Joenil Mistal (Oct 4, 2017)

Oct 4, 2017

Joenil Mistal
LMC Faculty

Date

**LOS MEDANOS
COLLEGE**

Cc: Robin Armour, LMC Director of Admissions and Records

Kelly Green, LMC K-12 Liaison

Tiffany Welter, LMC CTE Counselor

School District Educational Services Dept.

High School Principal

High School CATEMA Contact

Upload: LMC High School Articulation webpage

StatewidePathways.Org