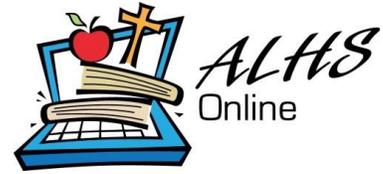# Web Page Design
Course Syllabus 2020-21

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Grade Level: 9-12
Course Length: 1 semester (1st semester)
Credit: .5
Prerequisites: None

Course Description:

Students will learn HTML (Hyper Text Markup Language), CSS (Cascading Style Sheets), and JavaScript programming languages so they can create effective and responsive web sites. They will also study the principles of professional design to apply them to those sites.

Course Goals/Objectives:

Course Goal

The overall course goal is to equip students with the tools and principles necessary to deliver professional, engaging and mobile friendly web sites.

Upon successful completion of this course, students will:
- Use HTML, CSS, and JavaScript programming languages
- Layout a user-friendly web page design that effectively communicates their message to others
- Understand and implement logical site navigation
- Publish a web site viewable by the general public
- Find resources that they can legally use to enhance their own web site
- Compare web sites created by others and explore techniques that help effective communications

Course Methodology:

The course will be a mixture of reading, video lecture, discussion forum, document creation, coding, and peer review. Each section will also assess learning through the means of project work, technology evaluations or student-created web sites.

Course Materials and Text:

The course will make extensive use of the following free online learning sites:
1. http://www.w3schools.com/html
2. http://www.w3schools.com/css
3. http://www.w3schools.com/js

Throughout the course there will be a number of assigned online reading resources. Some will be blog posts by respected experts, others will be video tutorials.

Course Outline:

1. Course Introduction & Setup
2. HTML Elements & Attributes
3. More HTML Text Formatting & GitHub
4. HTML Styling & Layout
5. More Styling "About the Author"
6. Typography, "How To" Finishing Touches
7. The Wonderful World of Cascading Style Sheets
8. Learning More Cascading Style Sheets, Designing a Logo
9. Working with Links & Flexbox
10. CSS Grid & Flexbox
11. CSS Grid
12. Animations and Transitions
13. Building a Complete Web Site Pt 1
14. Building a Complete Web Site Pt 2
15. A Finished Website and "Hide Ads" Functionality with JavaScript
16. Course Evaluation

Evaluation & Grading Scale:

Grading Scale

98-100 A+	87-89 B+	77-79 C+	67-69 D+	
93-97 A	83-86 B	73-76 C	63-66 D	0-59 F
90-92 A-	80-82 B-	70-72 C-	60-62 D-	

Evaluation

Each graded assignment in the course is assigned a certain number of points. The course percentage grade will be determined by comparing the points earned out of points possible and then converting to a letter grade based on the grading scale above. A student's current grade in the course will be available as we progress through the course and can be accessed by the student through the grade book in Moodle.

Grading Rubric

Most assignments for this class will involve the students creating one or more web pages to demonstrate the techniques taught in the course until that point. Assignments will be given a number grade showing the points earned out of the total points available for that assignment. For example, a well-designed web page for a particular assignment might earn 98 of a possible 100 points, which would be equivalent to an "A+". Assignments will be graded based on how well they meet the following criteria:

- Pages make use of the HTML, CSS or JavaScript commands taught in that lesson and previous lessons
- Pages demonstrate correct coding, such as closing commands properly
- Content is accurate and informative
- Work is free of spelling and other errors

- Design is visually appealing
- Work is original and creative

Instructor Policies:

Late Work

All assignments for each lesson must be completed by the date shown for the lesson to end. Because students from many different schools enroll in this course, students must plan ahead and complete their work by the due date indicated, even if their school is not in session or their class does not meet on the day the assignment is due. If there are extraordinary circumstances such as a long illness or a technology problem at school, the student should have their course proctor send an excuse to the course instructor. Otherwise, if work is late, a "0" will be placed in the gradebook until the work is completed. Once it is completed the following penalties will be placed on any late work:

- 1 weekday late
  - No penalty, grace period for questions or problems
- 2 or 3 weekdays late
  - One point off on small assignments
  - Five points off on two major projects
- 4 or 5 weekdays late
  - Two points off on small assignments
  - Ten points off on major projects
- Each additional week
  - Another point on small assignments
  - Five more points on major projects

ALHS Online Policies:

Current ALHS Online policies are listed in the ***Handbook for ALHS Online Students and Parents***, available on the ALHSO.org website. This includes policies on non-discrimination, anti-harassment, student expectations, attendance, academic honesty, student discipline, student grades, course add/drop, etc.

Please note the policy on **class attendance** which states in part:

> ***"Even if a student's local school does not have school on a particular day (snow day, teacher's conference, quarter break, choral fest, class trip, etc.) ALHS Online courses will continue to meet and students are expected to complete required work on time."***

Students also fall under the policies of the school where they attend as a full-time student. When applicable, these same local school policies will be applied to enrollment in this ALHSO course.