



## Web Application Design

INFO 2420, 3 credit hours, CRN #26908

[www.uvu.edu/concurrent/](http://www.uvu.edu/concurrent/)

admissions deadline: Sept 4



## Web Development 1 CE

(year-long course)

Class Website: [www.shsbusiness.com](http://www.shsbusiness.com)

Instructor Name: Mrs. Carey S. White  
Phone: (801) 489-2870

Lab: I-217  
E-mail: [carey.white@nebo.edu](mailto:carey.white@nebo.edu)

### COURSE DESCRIPTION

This is a Concurrent Enrollment Course, offering both high school credit through Springville High School and college credit through Utah Valley University. Web Development focuses on the design, construction, and maintenance of web pages. This is a year-long course in which students will create and learn web development concepts using elements of text, graphics, animation, sound, video, and digital imaging to create digital web sites to be delivered online. This course includes foundations in standards-based HTML, CSS, and JavaScript. The class covers code markup, design concepts, web graphics, page layout, form development, site validation, and accessibility issues.

These skills will prepare students for entry-level web design, code, and multimedia positions, and will provide fundamental web and digital design understandings and skills beneficial for other occupational/educational endeavors. This course will focus on the following areas of technology instruction: Image and graphics manipulation and basic animation, web design development and design including HTML, CSS (cascading style sheets), and JavaScript, sound mixing and creation, video slide creation and basic video production. All of these concepts will combine into individual projects including a multimedia website.

## HTML

## CSS

## JavaScript

### COURSE PREREQUISITES & COREQUISITES

Suggested prerequisites include keyboarding proficiency and Computer Technology.

### SOFTWARE USED IN THIS COURSE



Audacity



Notepad



Windows Movie Makers

Audacity | Photoshop | Dreamweaver | Flash | Notepad | PremierePro | Soundbooth | Windows Movie Maker

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## COURSE OBJECTIVES & LEARNING OUTCOMES

### Upon successful completion:

- Students will develop an awareness of digital media career opportunities.
- Students will perform common computer functions on a standard platform (*PC, Mac, Linux*) as they apply to digital media.
- Students will recognize and apply effective visual design concepts.
- Students will effectively use text in digital media.
- Students will create basic Web pages or documents.
- Students will produce bitmap and vector 2D graphics.
- Students will demonstrate proper planning and design by utilizing an instructional design model such as ADDIE, Adobe Professional Design, Rapid Deployment Model, and so forth in the development of *digital media projects*.
- Students will participate in individual and team (group) activities.
- Students will produce and utilize 2D animation.
- Students will plan, produce, edit, and publish digital audio and video.
- Students will explore new and existing digital technologies.
- Students will design and develop various projects to add to a digital portfolio.

### In addition, students will be able to accomplish the following:

- ✓ Students will be able to implement problem solving skills.
- ✓ Students will be able to understand and discuss the components of a basic digital media computer system and peripherals.
- ✓ Students will follow and adhere to the school's acceptable use policy (AUP).
- ✓ Students will practice Fair Use Guidelines and Copyright Law.
- ✓ Students will demonstrate oral, written, and technological communication skills.
- ✓ Students will use text to format and effectively communicate content including correct spelling and grammar.
- ✓ Students will identify graphic formats and their appropriate use (e.g., JPG, GIF, TIF, BMP, PSD, PNG, PDF, EPS, etc.)
- ✓ Students will understand and use the Adobe professional design and development process.
- ✓ Students will apply management skills in finding solutions to project problems.
- ✓ Students will plan a basic website of multiple pages that includes digital media or links to digital media objects.
- ✓ Students will apply principles of good design in a website and create interactive links.
- ✓ Students will prepare a script and record digital audio and video.

### Upon successful completion, students should have the following attitude(s)/trait(s):

1. Awareness of common digital media terminology.
2. Respect for ethics with the use of software and in business situations.
3. Commitment to accurate and attractive digital media projects.

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## REQUIRED STUDENT SUPPLIES

USB Thumb/Jump Drive (any size)

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### GRADES

You will receive the same grade for your high school course as you receive for your college course. Your grade will be based upon to following:

- 60%--In-class Assignments & Programs
- 20%--Exams and Quizzes
- 20%--Attendance

A = 94%	C = 74-76%
A- = 90-93%	C- = 70-73%
B+ = 87-89%	D+ = 67-69%
B = 84-86%	D = 64-66%
B- = 80-83%	D- = 60-63%
C+ = 77-79%	F = 0-59%

**At the conclusion of this course, all students will be required to take the Utah State Competency Exam in Web Development, Web Page Design, Advanced Web Page Design, and/or Digital Media I.**

### COLLEGE CREDIT NOTICE:

Your grade for this class will become part of your permanent college transcript and will affect your GPA. A low grade in this course can affect college acceptance and scholarship eligibility

### CLASS EXPECTATIONS:

STUDENTS ARE EXPECTED TO FOLLOW THE COMPUTER USE AGREEMENT FULLY. VIOLATIONS WILL RESULT IN STUDENT WARNINGS, PARENT INVOLVEMENT, AND/OR ADMINISTRATOR ACTION.

### NO ELECTRONIC DEVICES ALLOWED!

CELL PHONES, I-PODS, MP3 PLAYERS, HEAD PHONES, ETC. WILL BE CONFISCATED. STUDENTS/PARENTS MUST RETRIEVE FROM ADMINISTRATION.

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### DROPPING THE CLASS

**October 23** is the last day to drop the course without it showing on your transcript. If you drop the high school class, you must also withdraw from the UVU class to avoid receiving an E or UW (unofficial withdrawal).

### TEACHER-STUDENT EXPECTATIONS

Teacher is to teach and students are to learn. Any student disrupting the learning process or showing disrespect to classmates or teacher is insubordinate.

**INSUBORDINATION WILL NOT TOLERATED. STUDENTS WILL BE ASKED TO FOLLOW SCHOOL AND CLASSROOM RULES. STUDENTS WHO REFUSE TO FOLLOW THE RULES WILL BE IMMEDIATELY REFERRED TO THE ADMINISTRATION AND REMOVED FROM SCHOOL FOR THE REMAINDER OF THE DAY.**

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### STUDENT/PARENT SIGNATURES

We, the undersigned, have read and understand the terms of this **Web Development I CE** course disclosure document.

STUDENT NAME (PRINT PLEASE) \_\_\_\_\_

STUDENT SIGNATURE \_\_\_\_\_

PERIOD \_\_\_\_\_

PARENT SIGNATURE \_\_\_\_\_

NOTES to Mrs. White from Parent:

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**ATTENTION STUDENTS WITH DISABILITIES:** If you have any disability, which may impair your ability to successfully complete this course, please contact the UVU Accessibility Services office, 863-8747, BU 146. Academic accommodations are granted for all students who have qualified documented disabilities. All services are coordinated with the Accessibility Services office.

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