



Western Technical College

10201142 Web Design 3

Course Outcome Summary

Course Information

Description	In this course students will continue to develop more advanced web design knowledge and begin working with Content Management Systems. Mixed media for the web will also be explored. Macintosh platform.
Career Cluster	Arts, A/V Technology and Communications
Instructional Level	Associate Degree Courses
Total Credits	3
Total Hours	72

Pre/Corequisites

Prerequisite 10201132 Web Design 2

Textbooks

No textbook required.

Learner Supplies

An active webhosting package and domain name is required for this course. If you already have an active one, there is no need to repurchase. If you do not have an active one, it may be purchased during the first week of class.

Success Abilities

1. Cultivate Passion: Expand a Growth-Mindset
2. Live Responsibly: Develop Resilience

3. Refine Professionalism: Improve Critical Thinking

High Impact Practices

1. Technology-Enhanced Learning: this course will incorporate digital technologies like gamification, virtual reality experiences, or simulations. In addition, you will create technology-enhanced products such as ePortfolios, multimedia presentations, or other e-products to showcase your learning.

Program Outcomes

1. Demonstrate proficiency in the use of design software, tools and technology
2. Implement creative solutions from concept through completion using a formal process

Course Competencies

1. Evaluate content management systems (CMS).

Assessment Strategies

- 1.1. Presentation
- 1.2. Website

Criteria

You will know you are successful when

- 1.1. you explain the difference between a CMS-based and non CMS-based website
- 1.2. you identify different CMS platforms.
- 1.3. you compare features of different CMS platforms.

Learning Objectives

- 1.a. Explain the components of a CMS.
- 1.b. Summarize the features of CMS software.
- 1.c. Research CMS software.
- 1.d. Identify the differences between a CMS based website and non-CMS based website.

2. Self-host a CMS-based website.

Assessment Strategies

- 2.1. Presentation
- 2.2. Website

Criteria

You will know you are successful when

- 2.1. you run a CMS app installer on your web host.
- 2.2. you set-up a domain on which to install a CMS.
- 2.3. you customize a database name.
- 2.4. you customize your initial CMS install.

Learning Objectives

- 2.a. Identify the install script area.
- 2.b. Explore customization information for website.
- 2.c. Install WordPress on host server.
- 2.d. Identify components on the WordPress dashboard.

3. Manage themes.

Assessment Strategies

- 3.1. Presentation
- 3.2. Website

Criteria

You will know you are successful when

- 3.1. you describe the differences between free and premium themes.
- 3.2. you install a theme on your CMS dashboard.
- 3.3. you customize elements of a theme.
- 3.4. you update your CMS site identity.
- 3.5. you customize theme defaults with CSS.
- 3.6. you create a child theme.

Learning Objectives

- 3.a. Explore theme options including free vs premium.
- 3.b. Load themes.
- 3.c. Explore ways to customize theme options.
- 3.d. Integrate child themes.
- 3.e. Write custom CSS to overwrite theme defaults.

4. Create content for a website.

Assessment Strategies

- 4.1. Presentation
- 4.2. Website

Criteria

You will know you are successful when

- 4.1. you create multiple pages.
- 4.2. you create site navigation menu.
- 4.3. you style navigation menu.
- 4.4. you categorize blog posts.
- 4.5. you control commenting capabilities.
- 4.6. you create page drafts.
- 4.7. you publish a blog post.
- 4.8. you upload media into the CMS.
- 4.9. you remove unused media.

Learning Objectives

- 4.a. Create site navigation menu.
- 4.b. Create site pages.
- 4.c. Create blog posts.
- 4.d. Upload site media (images, videos, audio)
- 4.e. Differentiate between content tags and categories.

5. Manage user access levels for site administration.

Assessment Strategies

- 5.1. Presentation
- 5.2. Website

Criteria

You will know you are successful when

- 5.1. you reset user passwords.
- 5.2. you update user email address.
- 5.3. you modify user role level.
- 5.4. you assign user roles based on access expectations.

Learning Objectives

- 5.a. Understand the differences between user access levels in a CMS
- 5.b. Create new user access in a CMS
- 5.c. Delete users in a CMS
- 5.d. Update existing user information.

6. Integrate plug-ins into website.

Assessment Strategies

- 6.1. Project
- 6.2. Presentation

Criteria

You will know you are successful when

- 6.1. you install CMS plugins.
- 6.2. you activate a CMS plugin.
- 6.3. you update a CMS plugin.
- 6.4. you delete CMS plugins.
- 6.5. you install a CMS pagebuilder.

Learning Objectives

- 6.a. Search CMS plugin choices.
- 6.b. Compare free and premium plugins.
- 6.c. Identify CMS version compatible plugins.
- 6.d. Explore 3rd party CMS Pagebuilders.

7. Maintain the CMS install.

Assessment Strategies

- 7.1. Presentation
- 7.2. Website

Criteria

You will know you are successful when

- 7.1. you identify out-of-date CMS elements
- 7.2. you update themes.
- 7.3. you update CMS versions as needed.
- 7.4. you identify the process to reset a lost admin password.
- 7.5. you backup a CMS site database.
- 7.6. you install a CMS database backup.
- 7.7. you delete unused CMS elements.

Learning Objectives

- 7.a. Identify out-of-date CMS elements.
- 7.b. Update themes.
- 7.c. Update CMS versions.
- 7.d. Reset a lost admin password.
- 7.e. Backup a CMS site database.
- 7.f. Install a CMS database backup.
- 7.g. Delete unused CMS elements.

8. Explore advanced HTML and CSS in web design.

Assessment Strategies

- 8.1. Presentation
- 8.2. Website

Criteria

You will know you are successful when

- 8.1. you optimize images to make them retina display (HD) ready.
- 8.2. you provide multiple images to be displayed based on the screen size.
- 8.3. you utilize flex-box for a webpage layout.
- 8.4. you utilize CSS-grid for a webpage layout.
- 8.5. you create CSS based animations.
- 8.6. you identify the benefits of using frameworks.

Learning Objectives

- 8.a. Explore advanced responsive image techniques.
- 8.b. Explore advanced web page-layout techniques.
- 8.c. Create CSS based animations.
- 8.d. Explore front-end webpage layout frameworks.

8.e. Explore utilizing CSS Preprocessors.

9. Write web forms.

Assessment Strategies

9.1. Digital File Review

Criteria

You will know you are successful when

- 9.1. you choose correct input element for desired data.
- 9.2. you link form to processing program.
- 9.3. you sketch form layout on paper.
- 9.4. you design forms that are easy to use.
- 9.5. you test forms.

Learning Objectives

- 9.a. Write form elements in HTML.
- 9.b. Produce interactive forms.
- 9.c. Customize form appearance with CSS.