

Course Title: WEB 220 Content Management Systems

Course Leader: Sean Maher

Expected Learning Outcomes for Course

1. Students will be able to write valid and accessible HTML.
2. Students will create images optimized for the web.
3. Students will be able to write valid and accessible CSS.
4. Students will be able to write valid client-side scripting with JavaScript.
5. Students will be able to write valid server-side scripting PHP to create dynamic, data-driven websites.
6. Students will create and interact with databases using SQL to create dynamic, data-driven websites.
7. Students will be able to select and customize open source content management systems appropriate for a solution and according to client needs.
8. Students will create and implement multimedia solutions.
9. Students will understand project management and planning for websites.
10. Students will learn, implement and demonstrate principals of interactivity.
11. Students will be able to plan in implement handicap accessibility and 508 compliance on websites.
12. Students will be able to analyze and select tools appropriate for a specific solution.
13. Compare, contrast and select appropriate technology to enhance personal and professional tasks
14. Critically evaluate data through technology resources
15. Process and communicate information through technology resources
16. Evaluate and employ safe computing practices

Assessment

(How do students demonstrate achievement of these outcomes?)

1. All program outcomes are assessed through two main projects in this capstone class:
 - a. The service learning project- The students will also participate in a semester-long service-learning project. An outside business or non-profit is brought in. Under the guidance of the instructor, the students assess the client needs and build a solution to their specifications.
 - b. Portfolio Project and Review - Students will create an online portfolio in WEB 215 of their work suitable for showing to an employer. Portfolios will be assessed according to a rubric. These portfolios will be hosted by HCC for a limited time after completion.

Validation

(What methods are used to validate your assessment?)

1. The client will assess the success of the service-learning project.
2. Invited professionals will compare the students portfolio at the annual Portfolio Review. A questionnaire was developed for the portfolio review which collected data for the WEB, GDT and SDE programs.

Results

(What does the data show?)

- 1.

Follow-up

(How have you used the data to improve student learning?)

- 1.

Budget Justification

(What resources are necessary to improve student learning?)

- 1.