Course Outcomes Guide (COG)

Directions: Please complete this form to document your progress toward improving student learning. For each item, indicate your progress and your anticipated next steps. Thank you!

Course Title: Content Management Systems **Date: 5/23/2017**

Course Team: D. Maruszewski

Expected Learning Outcomes

1. Students will demonstrate technical proficiency in **HTML** by creating code that validates, correctly incorporates all necessary code, follows semantic design and universal accessibility principles, is SEO friendly and is handicap accessible and 508 compliant.
2. Students will show technical proficiency in **CSS** by creating code that validate and meets project requirements.
3. Students will show technical proficiency in **JavaScript** by creating interactive webpages that generate no errors and accomplish project goals.
4. Students will show technical proficiency in **PHP** by creating server-side scripts that generate no errors and accomplish project goals.
5. Students will show technical proficiency in **SQL** by creating databases that adhere to the normal forms and meet the needs of server-side scripting website goals.
6. Students will demonstrate technical proficiency in **content management systems** by installing, creating, customizing and maintaining open-source CMS solutions.

Assessment (How do or will students demonstrate achievement of each outcome? Please attach a copy of your assessment electronically.)

An Advisory Board meets and looks over the student's portfolio including the work for this course. They give feedback via a questionnaire (see assessments folder.) These are accumulated and averaged for assessment.

The students were also assigned sponsors for major projects. The sponsors used a 10 point scale (see assessments folder) to assess their work.

Validation (What methods have you used or will you use to validate your assessment?)

Results of the student portfolio review are accumulated and evaluated. The scale for the values are as follows:

1 – Far Below Expectations
2 – Lower than Expected
3 – Meet Expectations
4 – Above Expectations
5 – Exceeded Expectations

Results (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

HTML/Dreamweaver	**3.8**
CSS	**3.8**
JavaScript/UI/Interactivity	**3.6**
PHP	**4.3**
SQL/Database	**4.3**
Content Management Systems	**3.8**
Observance of Copyright	**4.1**
Project Planning	**4.0**

In this capstone class, there is usually very low enrollment. The results are promising. Everything was above "Meeting Expectation."

The sponsor evaluations were also promising. Best skills were in satisfying project objectives, use of original ideas, responsibility and self-management. The weakest areas were in ability to take re-direction and communication. Although, these scores were still high.

Follow-up (How have you used or how will you use the data to improve student learning?)

Students this year were successful. Students were able to choose their content management system. This may have been a small issue. It might be better in the future to force a specific system. This would allow for more teaching on the subject.

Budget Justification (What resources are necessary to improve student learning?)

Software should be updated as soon as it is released because the students will no longer be able to get out-of-date software.