

<b>Course Outcomes Guide (COG)</b>
------------------------------------

**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:** Web Developer I

**Date:** 6/15/16

**Course Team:** Sean Maher

**Expected Learning Outcomes**

- Students will show technical proficiency in **raster** Image Manipulation by creating layer based images optimized for specific applications and showing comprehension of raster software.
- 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.
- Students will show technical proficiency in **CSS** by creating code that validate and meets project requirements.
- Students will be able to discuss their knowledge of **theory and vocabulary** of their field in a professional manner through written and verbal communications as well as demonstrated in their work and analyze those terms in their own and others works.
- Students will demonstrate **problem solving** skills by analyzing, selecting and applying tools appropriate for a specific solution
- Students will show technical proficiency in **PHP** by creating server-side scripts that generate no errors and accomplish project goals.
- 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.
- 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.)

Students are assessed on the final project via rubrick.

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

These results are compared to the results of the student portfolio review.

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

Students perform well on the final, all outcomes are over 3.0.

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

SQL would be higher if IST 173 could be offered regularly. Will be substituting IST 107 and incorporating more SQL.

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

ATC 116 is in dire need of new furniture.

Software should be updated as soon as it is released because the students will no longer be able to get out-of-date software.