

Course Assessment – Part A: Your Plan

#106

Your Email *

Please select your course & name from the list. Contact Instructional Services if your course or name are incorrect or missing

CS 163 – Data Placement – Robert Surton – Spring 2016

Outcome #1 * Program using functions with pass by reference, arrays of structures, classes, pointers, dynamic memory, and linear linked lists.

Outcome #2 * Select the proper sorting algorithm for a problem.

Outcome #3 * Assess the performance impact of hardware features such as pipelining, and architectural principles such as memory locality.

Have you completed an assessment for this course prior to this term? No

If yes, are you assessing different outcomes? Yes

Comments:

2. To which degree, certificate or program outcomes do these course outcomes map? Degree, Certificate & Program Outcomes can be found at:
<http://www.cgcc.edu/curriculum/program-outcomes>

- Associate of Science: Computer Science

Outcome #1 Method to assess student understanding * Create, improve, and discuss a dynamic memory allocator.

Outcome #2 Method to assess student understanding * Implement, compare, and discuss multiple sorting algorithms based on asymptotic complexity, wall clock time, and cache behavior.

Outcome #3 Method to assess student understanding * Craft programs designed to trigger poor caching behavior and discuss which approaches do and do not work for antagonizing the cache.

4. How will you know if you were successful in your efforts to teach this outcome? Students will be able to independently propose and follow through on modifications to a dynamic memory allocator, and explain what they did and why.

Outcome #1 *

How will you know if you were successful in your efforts to teach this outcome? Face-to-face coding and performance measuring, and class discussion.

Outcome #2 *

How will you know if you were successful in your efforts to teach this outcome? Face-to-face coding and performance measuring, and class discussion.

Outcome #3 *

#1 What places in a computer exist that you didn't know about before you took this class?

#2 What was your favorite exercise or subject we covered in class? What would you change, drop, or improve for the next time I teach it?

Do you require the names of students who complete the course evaluation survey? *

- No

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