

# Course Assessment – Part A: Your Plan

#158

Your Email \*

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

CS 260 – Data and Algorithms – Surton – Fall 2016

Part A: Your Plan  
[Directions](#)

Design solutions to problems requiring complex data structures (combinations of lists, stacks, queues, hash tables, and trees).

1. Choose three of your course outcomes to assess and report on this term (these will also be used in your Student Course Evaluation survey):

Outcome #1 \*

Outcome #2 \*

Apply recursion as a problem solving technique.

Outcome #3 \*

Evaluate the engineering properties of various tree representations, including binary search trees, 2-3 trees, red-black trees, B-trees, and AVL trees.

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](#)

- ASOT-CS (Associate of Science Oregon Transfer – Computer Science)
- AS-CS (Associate of Science: Computer Science)

Method of Assessment

In-class group programming work and homework.

3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.)

Outcome #1: Method to assess student understanding \*

Outcome #2: Method to assess student understanding \*

In-class group programming work and homework.

Outcome #3: Method to assess student understanding \*

In-class group programming work and homework.

4. How will you know if you were successful in your efforts to teach this outcome?

Students will be able to solve simple, immediate data structures challenges quickly without using references.

Outcome #1: \*

Outcome #2: How will you know if you were successful in your efforts to teach this

Students will be able to translate between recursive and iterative solutions to simple algorithms.

outcome? \*

Outcome #3: How will you know if you were successful in your efforts to teach this outcome? \*

Students will implement multiple tree representations and insightfully compare them.

## 5. Instructor Questions

What would you change about this course in the future to make it better?

Create two course specific questions to be included on the Student Course Evaluation.

#1

#2

What part of this course did you struggle with most?

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

- No

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