Course Assessment – Part A: Your Plan   #261

Your Email *	
Please select your course & name from the drop-down menu. Contact Instructional Services if your course or name are incorrect or missing	CS 260 – Data and Algorithms – 1091650 – Surton – Fall 2017
Part A: Your Plan **Directions** 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):	Design solutions to problems requiring complex data structures (combinations of lists, stacks, queues, hash tables, and trees).
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?	Yes
If yes, are you assessing different outcomes?	No
Comments:	
2. To which degree(s) or certificate(s) does your course map? **Degree, Certificate, & Program Outcomes**	• Associate of Science Oregon Transfer – Computer Science • Associate of Science – Computer Science
Method of Assessment **3. What methods will be used to assess individual student understanding of each of these outcomes? (Please be specific.)**	In-class group programming work and homework.
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	Students will be able to translate between recursive and iterative

successful in your efforts to teach this outcome? *	solutions to simple algorithms.
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: Create two course specific questions to be included on the Student Course Evaluation. Question #1	What would you change about this course in the future to make it better?
Question #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

Reminder, when completing Part B, instructors will be asked the following questions:
1. Describe anything you did to support the institutional effort to support students in improving "Sources and Evidence" and/or "Organization and Presentation" for the CLO Communication
2. Describe anything you did to support the institutional effort to support students in improving "Student Position" and/or "Evaluate Potential Solutions" for the CLO Critical Thinking/Problem Solving

Created
29 Oct 2017
2:43:19 PM
PUBLIC