

# Course Assessment – Part A: Your Plan

#87

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

CS 262 – Programming Practices – Robert Surton – Winter 2016

Outcome #1 \* Use distributed version control for large, sophisticated software products, utilizing branching, merging, tagging, signing and similar features of the system.

Outcome #2 \* Use industry-grade techniques for software inspection and test, including Fagan inspection, unit test frameworks, regression test frameworks and test coverage tools.

Outcome #3 \* Apply practices from agile methods to software construction, such as pair programming, test-first, and standups.

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>

Outcome #1 Method to assess student understanding \* Term project using a distributed version control workflow and rotating integration managers.

Outcome #2 Method to assess student understanding \* Term project using test-driven development.

Outcome #3 Method to assess student understanding \* Decided as a class to implement weekly iterations, standup iteration meetings, test-driven development, and pair programming.

4. How will you know if you were successful in your efforts to teach this outcome? All students' project codes will be well organized in distributed repositories with meaningful branches.

Outcome #1 \*

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

Project code will be well covered by automated unit tests. All students are expected to be successful on these unit tests.

Outcome #2 \*

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

All students will be able to estimate how much code it is possible for them to write in one iteration.

Outcome #3 \*

#1

If you were to start another project with a discussion of programming practices to adopt, which would you be sure to include or try, and which would you decide against?

#2

What other project would you like to tackle, if you could go back to the beginning of the term with what you know now?

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

- No

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