

Course Assessment – Part A: Your Plan

#204

Your Email *

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

CS 251 – Logic for Computing Scientists – Robert Surton – Winter 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):

Use standard proof techniques and the technique of inductive proof to write short informal proofs about simple properties of numbers, sets, and ordered structures.

Outcome #1 *

Outcome #2 *

Write simple formal proofs using basic inference rules of propositional logic, first-order logic, and first-order logic with equality.

Outcome #3 *

Transform simple English sentences into formal logic (propositional, first-order, or higher-order).

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 discussion of given proofs and face-to-face work proving simple propositions.

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 discussion of given proofs and face-to-face work proving simple propositions.

Outcome #3: Method to assess student understanding *

In-class discussion with example problems.

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

Students will be able to clearly follow proofs in the book and produce their own proofs during discussion.

Outcome #1: *

Outcome #2: How will you know if you were

Students will be able to clearly follow proofs in the book and produce

successful in your efforts to teach this outcome? *

their own proofs during discussion.

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

Students will successfully translate their spoken thoughts into logical statements.

5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation.

What did you think of the structure of this course as a reading and discussion group?

Question #1

Question #2

What prerequisites (in terms of knowledge, skills, or courses) do you think this class should have but doesn't, or has but shouldn't?

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

- No

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