Course Assessment - Part A: Your Plan

COMPLETE #772

Please select your course and name from the drop-down menu. If your course or name are incorrect or missing, contact the Curriculum and Assessment Administrative Assistant, 541-506-6037 or swade@cgcc.edu.

MTH 111Z- Precalculus I: Functions- Pam Koop- Part A- Winter 2026

*** 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): Outcome #1**

Explore the concept of a function numerically, symbolically, verbally, and graphically and identify properties of functions both with and without technology.

*** Outcome #2**

Demonstrate algebraic and graphical competence in the use and application of functions including notation, evaluation, domain/range, algebraic operations & composition, inverses, transformations, symmetry, rate of change, extrema, intercepts, asymptotes, and other behavior.

*** Outcome #3**

Use variables and functions to represent unknown quantities, create models, find solutions, and communicate an interpretation of the results.

Have you completed an assessment for this course prior to this term?

Yes

If yes, are you assessing different outcomes?

Yes

Comments:

This course has the outcomes rewritten because of common course numbering.

2. To which degree(s) or certificate(s) does your course map? Degree, Certificate, & Program Outcomes

Associate of Applied Science: Electro-Mechanical Technology, Associate of Science Oregon Transfer - Computer Science (ASOT-CS)

*** Method of Assessment 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**

1) Students will create a poster showing this information
2) quizzes
3) exams
4) discussions

*** Outcome #2: Method to assess student understanding**

1) quizzes
2) exam
3) group work like an escape room or zombie apocalypse
4) discussions

* Outcome #3: Method to assess student understanding

1) term paper on population growth
2) quizzes
3) exam
4) discussions

* 4. How will you know if you were successful in your efforts to teach this outcome? Outcome #1:

70% of the students will complete this course with a C or better overall. 80% of the students will get a B or better on the posters

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

80% of the students will complete the course with a B or better

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

100% of the students who turn in the term paper will complete it with a B or better. 80% of the students will complete the course with a B or better.

5. Instructor Questions: Create two course specific questions to be included on the Student Course Evaluation. Question #1

How effectively did the course connect mathematical concepts to real-life applications and contexts?

Question #2

To what extent did this course help you understand how functions can be represented symbolically, numerically, and graphically?

Do you require the names of students who complete the course evaluation survey? (Please note: names will be sent to instructors the Thursday before term ends)

NO

Reminder, when completing Part B, instructors will be asked the following questions: Describe anything you did to assist the institutional effort to support students in improving achievement of the specified criteria for the following Institutional Learning Outcomes (ILO): 1. ILO#1 - Communication - "Content Development" and/or "Control of Syntax and Mechanics" 2. ILO#2 - Critical Thinking/Problem Solving - "Evidence" and/or "identify strategies" 3. ILO#4 - Intercultural Knowledge and Competence - "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") 4. ILO#5 - Community and Environmental Responsibility 5. ILO#3 - Quantitative Literacy - "Assumptions"

(No response)