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MTH 111Z- Precalculus I: Functions- John Evans- Fall 2023

**\* 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**

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

**\* Outcome #3**

Determine the reasonableness and implications of mathematical methods, solutions, and approximations in context.

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

Yes

**If yes, are you assessing different outcomes?**

Yes

**Comments:**

The outcomes for math 111Z are the result of the state requiring all public universities and colleges to offer essentially (80% common as a minimum) the same course for the most widely transferred course taught in Oregon. Math 111Z is just one; fortunately, while the outcomes are worded a little bit differently than our previous outcomes, the class remains largely unchanged - at least for us (and our students) here at CGCC

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

Not Sure

**\* 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**

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Quizzes, Tests, and projects. This outcome is well suited to assessment through projects, and in my case particularly the first project.

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

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Quizzes, Tests, and Projects. This outcome is well suited to assessment through projects, and in my case particularly the second and third projects.

**\* Outcome #3: Method to assess student understanding**

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Quizzes, Tests, and projects. This outcome is well suited to assessment through projects, and in my case particularly the second project.

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

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I consider success on the large (something we can't ignore, yet I would hate to dismiss the importance of individual success - as defined by each individual) an 80% completion rate for the class.

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

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I consider success on the large (something we can't ignore, yet I would hate to dismiss the importance of individual success - as defined by each individual) an 80% completion rate for the class.

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

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I consider success on the large (something we can't ignore, yet I would hate to dismiss the importance of individual success - as defined by each individual) an 80% completion rate for the class. Also, that every student turn in project two.

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

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Do you feel that the population model and the cost of clean up model projects give you an idea of how material learned in this course might be used outside of a classroom setting?

**Question #2**

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Do you feel that the amount of use of technology in our class is appropriate? If you don't, do you think there should be even more use, or less?

**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)**

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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 - Cultural Awareness - "Openness" (Encouraging our students to "Initiate and develop interactions with culturally different others") 4. ILO#5 - Community and Environmental Responsibility - "Understanding Global Systems" and/or "Applying Knowledge to Contemporary Global Contexts" 5. ILO#3 - Quantitative Literacy - "Application/Analysis" and/or "Assumptions"**

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(No response)