

Assessment: Course Four Column

Courses (MATH) - Math

MATH 126 DU:PreCalculus I

| Course Outcomes | Assessment Measures | Results | Actions | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------|---|---|----|---|----|---|
| <p>Graph basic functions - Graph basic functions Course Outcome Status: Active Next Assessment: 2022-2023</p> | <p>Assignment - Written - Assignment 4 Criterion: 75% students above 60%</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes Mean: 77.3% Median: 76.6% STD: 0.096 100% students are above 60%. 90.9% complete the assessment, 1 student not The mean is slightly greater than median. The score distribution is slightly positive skew. (01/16/2019)</p> | <p>Action: The standard deviation is about 10%. It may tell the variation of student's comprehension is in the normal range. The graphing function content is to combine the algebra and geometry together. I shall keep working hard to let students apprehend this part of the materials. (01/16/2019)</p> | | | | | | | | |
| <p>Rational function properties and the graphs - Rational function properties and the graphs Course Outcome Status: Active Next Assessment: 2022-2023</p> | <p>Assignment - Written - Assignment 8 Criterion: 75% students above 60%</p> | <p>Reporting Period: 2017-2018 Criterion Met: Yes Mean: 86.8% Median: 86.7%, STD:0.06 100% students are above 60%. 81.8% complete the assessment. 2 students not The median equals the mean. The distribution is a normal distribution. (01/16/2019)</p> | <p>Action: Like my live class in the same semester, the normal distribution of student scores tells me the difficult level of the assignment may be fair. Mean: 86.8% (online) < 93.75% (live). I shall keep working hard to promote the student's comprehension level in this difficult content for students. (01/16/2019)</p> <p>Follow-Up: Grade Distribution</p> <table border="1"> <thead> <tr> <th>Grade</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>2</td> </tr> <tr> <td>A-</td> <td>2</td> </tr> <tr> <td>B+</td> <td>1</td> </tr> </tbody> </table> | Grade | Frequency | A | 2 | A- | 2 | B+ | 1 |
| Grade | Frequency | | | | | | | | | | |
| A | 2 | | | | | | | | | | |
| A- | 2 | | | | | | | | | | |
| B+ | 1 | | | | | | | | | | |

| <i>Course Outcomes</i> | <i>Assessment Measures</i> | <i>Results</i> | <i>Actions</i> |
|------------------------|----------------------------|----------------|----------------|
|------------------------|----------------------------|----------------|----------------|

| | |
|-------|----|
| B | 1 |
| B- | 1 |
| C+ | 2 |
| C | 0 |
| C- | 1 |
| D | 1 |
| F | 0 |
| W | 0 |
| Total | 11 |

Out of 11 students, no students get F and W. All students have passed the class. The retention rate and the completion rate is 100%. Comparing to my live class of math 126 in the same semester, less students in the online class get high grades. I think the online class is harder than live class for students. In the semester, my e-text is used in the live class as a workbook. The text of my online class used the Pearson publisher's text book. Probably that's part of the reason to cause the difference of the student's grades. The students do not have the written comments in this class. It probably tells students are neutral in taking the class. (01/16/2019)