

# Assessment: Course Four Column



## Courses (MATH) - Math

### MATH 127 DU:Calculus II

| Course Outcomes  | Assessment Measures   | Results   | Actions  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
|--|---|---|--|-------|-----------|---|---|----|---|----|---|---|---|----|---|---|---|---|---|
| <p><b>Graph trigonometric functions -</b><br/>Graph trigonometric functions<br/><b>Course Outcome Status:</b> Active<br/><b>Next Assessment:</b> 2021-2022<br/><b>Start Date:</b> 10/23/2017</p> | <p><b>Quiz - Quiz four</b><br/><b>Criterion:</b> 75% students score above 60%</p> | <p><b>Reporting Period:</b> 2016-2017<br/><b>Criterion Met:</b> Yes<br/>Mean: 89.1%, Median 91.25%, STD: 0.091<br/>95.5% students are above 60%<br/>85% completed the assessment, 4 students not (10/23/2017)</p> | <p><b>Action:</b> The animation lectures and video explanation have been added to the lecture. Student's comprehension in this part has been improved significantly. More animation may be needed for other parts. (10/23/2017)</p>  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| <p><b>Oblique triangles - Solve oblique triangles</b><br/><b>Course Outcome Status:</b> Active<br/><b>Next Assessment:</b> 2021-2022<br/><b>Start Date:</b> 10/23/2017</p>                       | <p><b>Quiz - Quiz nine</b><br/><b>Criterion:</b> 75% students score above 60%</p> | <p><b>Reporting Period:</b> 2016-2017<br/><b>Criterion Met:</b> Yes<br/>Mean: 82.95%, Median 90%, STD: 0.194<br/>89.5% students are above 60%<br/>83% completed the assessment, 4 students not (10/23/2017)</p>   | <p><b>Action:</b> Mean-Median=82.95%-90%&lt;0. The distribution is negatively skewed. More students get higher score. The reason is that some students already dropped the class at this point. The class difficult level is appropriate to differentiate students. Needs to take the good work. (10/23/2017)</p> <p><b>Follow-Up:</b> Grade distribution</p> <table border="1"> <thead> <tr> <th>Grade</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>6</td> </tr> <tr> <td>A-</td> <td>2</td> </tr> <tr> <td>B+</td> <td>1</td> </tr> <tr> <td>B</td> <td>3</td> </tr> <tr> <td>B-</td> <td>4</td> </tr> <tr> <td>D</td> <td>1</td> </tr> <tr> <td>F</td> <td>6</td> </tr> </tbody> </table> | Grade | Frequency | A | 6 | A- | 2 | B+ | 1 | B | 3 | B- | 4 | D | 1 | F | 6 |
| Grade  | Frequency   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| A  | 6   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| A-   | 2   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| B+   | 1   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| B  | 3   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| B-   | 4   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| D  | 1   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |
| F  | 6   |   |  |       |           |   |   |    |   |    |   |   |   |    |   |   |   |   |   |

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

W 8  
Total 31

Math 127, Precalculus is a difficult class for students. 8 students out of 31 total students (the rate is 25.85%) dropped the class. Out of 23 students who stayed in the class, the rate of the student grades with A or A- is 34.8%. The student grades seem to go in two different directions.

There are two comments in the student evaluation. One is that a student wanted to extend the deadline. Unless the extremely situation happens, I normally do not give the extension since students need to understand certain materials before the next learning stage. The other comment is "Great class, I learned a lot and wouldn't change a thing." I shall keep the good work regarding the comment.  
(10/23/2017)