Assessment: Course Four Column

Courses (MATH) - Math

MATH 127 DU:Calculas II

Course Outcomes	*Assessment Measures*	*Results*	*Actions*
Angles in degree and radian measure, trigonometric functions in right triangles. - Angles in degree and radian measure, trigonometric functions in right triangles. **Course Outcome Status:** Active **Next Assessment:** 2018-2019 **Start Date:** 12/03/2014	**Assignment - Written -** Assignment one **Criterion:** 75% students score above 60%	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Average: 82.42%, STD:0.153 Median:86.61% 96.1% students are above 60%. 94% completed the assessment, 2 students not (09/19/2016)	**Action:** The new action in the semester has been taken. Besides the written notes with video lectures, more hints on student assignments are given with video lectures. It appears the strategy works well. No further actions may be needed. (09/19/2016)
Inverse trigonometric functions. - Inverse trigonometric functions. **Course Outcome Status:** Active **Next Assessment:** 2018-2019 **Start Date:** 12/03/2014	**Assignment - Written -** Assignment seven **Criterion:** 70% students score above 60%	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Average: 78.36%, STD: 0.139, Median:81.3% 86.2% students are above 60%. 96% completed the assessment, 1 student not (09/19/2016)	**Action:** The inverse trigonometric function part is hard. Again, the new action has been taken this semester. More video lectures with written notes are provided to students on the assignments. It appears the strategy works well. Needs to take the action to main the good work for the new students who might be different from the students in the semester. (09/19/2016)
Geometric sequence and mathematical induction - Geometric sequence and mathematical induction **Course Outcome Status:** Active	**Assignment - Written -** Assignment fourteen **Criterion:** 80% students with score above 60%	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Mean: 84.41%, STD: 0.174, Median 89.38% 91.3% students are above 60%. 96% completed the assessment, 1 student not (09/19/2016)	**Action:** In my opinion, the content in this part is relatively easier comparing to the trigonometric function part. My expectation is higher. Although the satisfactory criterion is met, I need to take some

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Next Assessment: 2018-2019
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actions to maintain the good work with more mathematical technology interactions. (09/19/2016)

Follow-Up: Grade Distribution

Grade	Frequency
A	6
A-	2
B+	3
B	3
B-	1
C+	4
C-	2
D	1
D-	1
F	4
W	7
Total	34

Out of 27 students who stay in the class, there are 8 students who get A. The rate of A range is 20% in the class. Seven students have withdrawn the class after the midterm test. The dropping rate is 20.6%, which gives the retention rate is about 80%. Comparing to the national retention rate, the retention rate is higher for this class. It appears the instructor has made the good effort to keep students in the class. There are four students who get F. One of the four only attended the class for two weeks. Another one stopped attending the class right after the spring break. The instructor has notified the students to withdraw the class after the midterm test if students did not do well as far as to the midterm. These two students failed to withdraw the

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			class and eventually failed in the class. If these two students are counted as withdrawing the class, the retention rate would be 73.5%. The instructor has added more mathematical animations to help students to understand the class contents. There are more than 100 video lectures have been made to update the previous video lectures because of the new textbook. These strategies seem working based on student improved weekly assignment scores and the final grades. The instructor shall look at the student comments in the coming semester to make changes accordingly. (09/19/2016)