

Assessment Report Worksheet #3

Gen. Education (Mathematics)

Unit/Office/Program (3-1)

Formative Assessment (3-3)

Summative Assessment (3-4)

Fall 2011-Spring 2012

Assessment Period Covered (3-2)

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Submitted by & Date Submitted (3-5)

Endorsed by: (3-5a)

Evaluation Question (Use a different form for each evaluation question)(3-6):

Can students demonstrate understanding and apply mathematical concepts in problem solving and in day to day activities, present and interpret numerical information graphically, and communicate thoughts and ideas effectively using proper mathematical terms?

First Means of Assessment for Evaluation Question Identified Above (from your approved assessment plan 3-7):

Ia. Means of Unit Assessment & Criteria for Success (3-8):

A common math assignment was used to assess students' mathematical skills. The assignment has twelve mathematical problems and was designed in such a manner where four of the problems (problem 1-4) will assess student learning outcome 3.1, the next four problems (5-8) will assess student learning outcome 3.2, and the last four problems (9-12) will assess student learning outcome 3.3.

Ib. Summary of Assessment Data Collected (3-9):

The overall average point on the math assignment was 10.85 points out of the total points of 16 or in percentage form it is about 68%. The data represent a significant improvement of the overall average points from the Assessment Report of 2009-2010 which was 11.98 out of the 24 possible points or in percentage term is about 50%.

Detail breakdown of student's performance per campus on the three separate specific student learning outcomes are as follow:

	SLO 3.1	SLO 3.2	SLO 3.3	Ave. Camp score	Ave. points/16
Kosrae	81%	81%	60%	74%	11.84
National	64%	66%	60%	64%	10.18
Yap	67%	75%	60%	67%	10.78
Chuuk	77%	83%	39%	66%	10.60
Total	72%	76%	55%	68%	10.85

Unlike the observation made in the first assessment report (2009-2010) where student average score was highest on SLO 3.3, the overall average student's score on SLO 3.2 is now the highest. What has become the new challenge is SLO 3.3, where the overall score on all campuses is the lowest.

Ic: Use of Results to Improve Program/Unit Impact/Services[Closing the loop] (3-10):

- Increase students' ability and performance on SLO 3.3 to 70% rating.
- Improve dialog among math instructors, college algebra instructors in particular, before fall 2013 begin to share challenges and best practices to increase student's competency in

performing SLO3.2.

- Increase in class or assignment exercise on words problems to improve students' knowledge and capability to accurately interpret mathematical problems

Second Means of Assessment for Evaluation Question Identified Above (from your approved assessment plan) (3-11):

2a. Means of Unit Assessment & Criteria for Success:

Course completion rate was also used to compare students learning on the assignment with their overall performance in the class. Fall 2011 course completion rate is the data available on the college website and was used.

2b. Summary of Assessment Data Collected: Course completion rate is very satisfactory at 97%. The data indicated a significant difference between the formative assessments (common assignment) compared with the course completion rate. Despite the low scores revealed from the common assignment, cumulative student's scores on quizzes, tests, and final exam throughout the semester qualified students to pass the class. Overall, COM-FSM students who enrolled in the class during fall 2011 semester completed the class. The remaining question is letter grades of student achievement which can show a more meaningful interpretation of student mastery on the learning outcomes.

2c. Use of Results to Improve Program/Unit Impact/Services [Closing the loop]:

The result of student evaluation is very high so mathematics instructors should be complemented on their responsiveness to the diverse learning needs of our students. Should keep up the good work and continue to share good practices to further improve student learning.

Third Means of Assessment for Evaluation Question Identified Above (from your approved assessment plan) (3-12):

3a. Means of Unit Assessment & Criteria for Success:

3b. Summary of Assessment Data Collected:

3c. Use of Results to Improve Program/Unit Impact/Services[Closing the loop]: