

Course Assessment Summary Report – Completed Sample

Course: MAT 104 General Education Math _____

Date: Spring 2008

Instructor: John Doe

List All Course Outcomes	Related To Program Outcome # (if applicable)	Related To General Education Outcome #	When Outcome is Measured Semester/Year	Assessment Methods Used
1. Combine Polya's problem solving principles with mathematical techniques studied in the classroom in order to solve problems that are similar (but not identical) to those discussed in the course.	Program outcomes # 1 and #2	Quantitative and Scientific Reasoning	Every time it is taught.	Test # 1, questions 4,5,7,9,10, &13 Test# 3, Questions, 2,3,7,&8 Quiz # 3, part of the quiz.
2. Recognize a pattern and demonstrate that knowledge by successfully predicting the next symbol in a sequence.	Program outcomes # 1, #2, and #3	Quantitative and Scientific Reasoning	Every time it is taught.	Test # 1, Questions, 12, 14, &15 Quiz # 5, entire quiz.
3. Use estimation to quickly approximate the answer to a problem, whose exact solution would otherwise require considerable time and effort.	Program outcomes # 1 and #3	Quantitative and Scientific Reasoning	Every time it is taught.	Test # 1, questions 2, 8, &11 Test # 4, questions # 2,4, 6, &8 Quiz # 2, half of the quiz.
4. Use a Venn Diagram or an appropriate set theory formula to solve a problem involving sets.	Program outcomes # 1 and #3	Quantitative and Scientific Reasoning	Every time it is taught.	Test # 2, questions 2, 8, &11 Quiz # 1, entire quiz.
5. Distinguish between an investment or loan word problem.	Program outcomes # 4	Quantitative and Scientific Reasoning	Every time it is taught.	Quiz #4, entire quiz.
6. Select the appropriate investment formula for a problem by determining whether the investment involves one or periodic deposits.	Program outcomes #2 and #1	Critical Thinking Quantitative and Scientific Reasoning	Every time it is taught.	Test # 1, questions 1, 3, &10 Quiz # 3, Part of the quiz. Project 1, "Stock Market"
7. Select the appropriate loan formula for a problem by determining whether the loan involves one or	Program outcomes # 1	Quantitative and Scientific Reasoning	Every time it is taught.	Test # 4, questions 3, 5,7, &9

periodic payments.				Quiz # 6, entire quiz.
8. Successfully evaluate the answer to an investment or loan problem using a calculator.	Program outcomes # 1 and #4	Technology Competency	Every time it is taught.	Test # 1, questions 16, 17, &19 Quiz #2, part of the quiz. Project 1, "Stock Market"

Program Outcomes:

1. Recognize, apply, and analyze skills and knowledge in problem solving. Using appropriate mathematical models students will be able to examine given situations, extract quantitative information, formulate and solve mathematical problems described these situations.
2. Use language and mathematical symbols to communicate mathematical ideas through formulas, tables, computer technology, and graphing calculators. and notions.
3. Demonstrate their theoretical knowledge and ability to reason inductively and deductively, test conjectures, construct counter-examples, make valid arguments, and judge the validity of mathematical arguments.
4. Apply a fundamental knowledge of geometry by translating between synthetic and coordinate representations, Also usage of other important concepts.

Please explain:

1. Your assessment process.

I have used variety of assessment techniques in teaching this course. Most importantly I have used quizzes for formative assessment purposes and to help me design future lessons more effectively. Tests have assisted me in summative assessment, and assigning grade to the performance of the students. With projects I tried to bring in a real life situation into the classroom and have them use their skills to solve problems.

2. The results you obtained.

I received more feedback and participation in the project than anything else. Over 40% of my students did not do well in their tests, but performed much better in their quizzes, and I believe that is because of the lesser amount of information involved in quizzes. I am still looking for way to help them retain the information for longer time.

3. Changes you will make.

Because of the points referred to in question number 2, I have decided to increase quizzes by two more and see if there will be any difference in the students' performance in the future.

4. Budgetary implications.

I'd like to add a service learning portion to this course and perhaps add a field trip to an investment firm for my students. Please let me know if we have budget to cover the cost of these activities.