Assessment Data is from what semester? ___Fall 2014___________________

Faculty Name(s): _______Ilene Katz__________________________

1. Course Name and Number:

MA156  Math for the Liberal Arts

2. All Course SLOs from the Course Outline of Record:

Student Learning Outcomes
The student will:
1. Solve mathematical equations as they apply to Liberal Arts topics.
2. Use critical thinking as it applies to Liberal Arts topics.
3. Apply mathematical models in solving word/situation-based problems as they apply to Liberal Arts topics.
4. Demonstrate a knowledge of the people, history and uses of mathematics.
5. Demonstrate an understanding of the application of mathematics to liberal arts topics.

3. Specific Course SLO(s) assessed as part of this project:

1. Solve mathematical equations as they apply to Liberal Arts topics.
2. Use critical thinking as it applies to Liberal Arts topics.
3. Apply mathematical models in solving word/situation-based problems as they apply to Liberal Arts topics.
4. Demonstrate an understanding of the application of mathematics to liberal arts topics.

4. Is this course on GE Plan A? ___X__Yes ___No
If Yes, identify what area:
___X_Area I Natural Sciences
___Area II Social and Behavioral Sciences
___Area III Fine Arts/Humanities
___Area IV Language and Rationality
___Area V Physical Education/Wellness
___Area VI Intercultural/International Studies
___Area VII Information Competency

5. How did you assess the SLO(s)? (Attach any related documents at end of form.)

See attached form.

All 3 teachers of the MA156 during Fall 2014 had their students fill out the assessment tool.
6. Results and analysis of the data. (Attach any related documents at end of form.)

See attached form for the results.

Summary for all of the MA156 students who filled out the assessment tool for MA156:

- 91% of the students could correctly Demonstrate an understanding of the application of mathematics to liberal arts topics.
- 9% of the students could partially correctly Demonstrate an understanding of the application of mathematics to liberal arts topics.
- 0% could not correctly Demonstrate an understanding of the application of mathematics to liberal arts topics.
- 59% of the students could correctly Apply mathematical models in solving word/situation-based problems as they apply to Liberal Arts topics and solve mathematical equations as they apply to Liberal Arts topics, or use critical thinking as it applies to Liberal Arts topics.
- 24% of the students could partially correctly Apply mathematical models in solving word/situation-based problems as they apply to Liberal Arts topics and solve mathematical equations as they apply to Liberal Arts topics, or use critical thinking as it applies to Liberal Arts topics.
- 18% of the students could not correctly Apply mathematical models in solving word/situation-based problems as they apply to Liberal Arts topics and solve mathematical equations as they apply to Liberal Arts topics, or use critical thinking as it applies to Liberal Arts topics.

7. What are you going to do based on the results of the data? (Any planned revisions?)

- The results for Demonstrating an understanding of the application of mathematics to liberal arts topics were very strong, so no revisions of that are planned.
- The results for Applying mathematical models in solving word/situation-based problems as they apply to Liberal Arts topics and solving mathematical equations as they apply to Liberal Arts topics, or using critical thinking as it applies to Liberal Arts topics were good, but could be improved. The faculty who will be teaching this course is changing. A meeting of the faculty that teach MA156 to discuss continuing the quality instruction of this course, to talk about what has been working, to share ideas, and discuss how to improve will be scheduled.

Please save your finished document in the following format. (Date should be for the semester in which data was collected; same date should be listed at top of this form.)

yyyysemester-sloa-courseid.doc
example: 2014spring-sloa-engl101c.doc
1. List 3 Topics, that math can be used for, in the life of a Liberal Arts student.

    
    

2. Do one if these 2:
   a. Make an inductive argument for having a food court at Ohlone.

OR

   b. How many ways can a Liberal Arts students pick 3 Articles out of 12 Articles, to use as sources for a research paper?

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<th>correct</th>
<th>partially correct</th>
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