2014 Program Assessment Progress Report

College CALS
School/Division Mathematics & Statistics
Plan Code Program BA-BS in Mathematics

Please list the names and titles of those who participated in the assessment planning and reporting process for this program.

Dr. Jim Fulmer, Associate Professor

8 Number of degrees/certificate awarded in this program during the academic year.

If no degrees were awarded in this program during the academic year, skip pages 2 and 3 of this report.

Complete the assessment plan on page 4 and submit.

OUTCOME 1: To evaluate student alumni regarding their level of satisfaction with BA/BS in Mathematics degree

Measure 1.1: Responses from student alumni on Mathematics Graduates Evaluation Survey.

26 Number of students included in data collection for this measure.

Sampling strategy used for this measure.

We used responses from the 26 alumni participating in the 2013 Mathematics Graduates Evaluation Survey, conducted by the Survey Research Center-UALR Institute of Government.

Performance Criterion 1.1: At least 60\% of those responding to questions Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q19, Q30, Q35 indicated a favorable response (excellent or good, strongly agree or somewhat agree, very prepared or somewhat prepared)

Yes X No Do your data indicate that this Performance Criterion was met?

Yes X No Do your data indicate that graduates of the program possess the knowledge or skill

If "yes," use this space to discuss any components of the program that you believe contributed to this result. What does this tell you about student learning in this program?

Department faculty available for student consultation.
If “no,” use this space to discuss any components of the program that you believe contributed to this result. What does this tell you about student learning in this program?

Please describe any programmatic changes that are planned as a result of these findings. Please include a brief rationale for those changes and the timeline for implementation. How will these changes impact student learning?

None at this time.

Please describe any changes in your assessment processes that are planned as a result of these findings. Please include a brief rationale for those changes. How will these changes impact your ability to measure student learning?

None at this time.

OUTCOME 2: Mathematics majors acquire the Mathematical knowledge and skills necessary for success in their program or career.

Measure 2.1: Scores of graduating seniors on ETS-MFT in Mathematics.

16 Number of students included in data collection for this measure.

Sampling strategy used for this measure.

In Senior Seminar, Math 4390, students are required to take the ETS major field test in Mathematics. Score reports show their national percentile rank and various assessment indicators. We used all scores from the 16 students on the ETS/MFT.

Performance Criterion 2.1: Graduating seniors will score in the upper 75 percentile range of score.

Yes No X Do your data indicate that this Performance Criterion was met?

Yes X No X Do your data indicate that graduates of the program possess the knowledge or skill identified in this outcome?

Measure 2.2: Scores of graduating seniors on ETS-MFT in Mathematics.

16 Number of students included in data collection for this measure.

Performance Criterion 2.2: Graduating seniors will score at the 75 percentile range on at least one of the assessment indicators: Calculus, Algebra, Routine, Nonroutine, Applied.

Yes X No ______ Do your data indicate that this Performance Criterion was met?

Yes ______ No X Do your data indicate that graduates of the program possess the knowledge or skill identified in this outcome?

If “yes,” use this space to discuss any components of the program that you believe contributed to this result. What does this tell you about student learning in this program?

The data indicated that some of our graduating seniors met Performance Criterion 2.1, but some did not meet Performance Criterion 2.1. For Performance Criterion 2.2, the data indicated that our graduating seniors met the performance criteria for the indicator Applied, but did not meet the Performance Criterion for the other four indicators.
If “no,” use this space to discuss any components of the program that you believe contributed to this result. What does this tell you about student learning in this program?

The department faculty is considering what to do regarding those assessment indicators that were not met.

Please describe any programmatic changes that are planned as a result of these findings. Please include a brief rationale for those changes and the timeline for implementation. How will these changes impact student learning?

None at this time.

Please describe any changes in your assessment processes that are planned as a result of these findings. Please include a brief rationale for those changes. How will these changes impact your ability to measure student learning?

None at this time.

Please outline your 2014 assessment plan below. Please include a minimum of two, and not more than five, outcomes.

<table>
<thead>
<tr>
<th>OUTCOME 1</th>
<th>To evaluate student alumni regarding their level of satisfaction with BA/BS in math degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure 1.1</td>
<td>Responses from student alumni on Mathematics Graduates Evaluation Survey.</td>
</tr>
<tr>
<td><strong>Performance Criterion 1.1</strong></td>
<td>At least 60% of those responding to questions Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q19, Q30, Q35 indicated a favorable response (excellent or good, strongly agree or somewhat agree, very prepared or somewhat prepared)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OUTCOME 2</th>
<th>Mathematics majors acquire the mathematical knowledge and skills necessary for success in their program or career.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure 2.1</td>
<td>Scores of graduating seniors on ETS-MFT in Mathematics.</td>
</tr>
<tr>
<td><strong>Performance Criterion 2.1</strong></td>
<td>Graduating seniors will score in the upper 75 percentile range of scores.</td>
</tr>
<tr>
<td>Measure 2.2</td>
<td>Scores of graduating seniors on ETS-MFT in Mathematics.</td>
</tr>
<tr>
<td><strong>Performance Criterion 2.2</strong></td>
<td>Graduating seniors will score at the 75 percentile range on at least one of the assessment indicators: Calculus, Algebra, Routine, Nonroutine, Applied.</td>
</tr>
</tbody>
</table>

Note- This form adapted from Arizona State University assessment form.

Date: 13 March  2015