

Year Year 2

1. Identify the PLO your program assessed this academic year

2). Demonstrate competence in analytical and critical reasoning

2. Identify the artifact(s) (i.e. student work) that you used to assess the PLO.

[Papers, presentations, portfolios, test items, specific assignments, capstone

Performance on standardized test questions--

3. Identify the tools (e.g. rubrics, surveys, performance on standardized test questions) used to assess the artifact(s) (i.e. student work

Performance on standardized test questions-

4. Explain the results of the assessment activities

Item Information Reports from the ETS Major Field Test for our thirty two mathematics graduates over the past four years were reviewed. These reports provide comparison of our students percent correct for each question with national results for 5332 students. The differences of percentages for our students minus national results for the twelve "Nonroutine" questions were, in decreasing order, 21.1; 19.3; 18.0; 17.8; 16.6; 15.2; 11.6; 9.7; 8.3; 7.7; -5.0 and -18.4. Moreover, when compared to the distribution of the institutional mean scores for 256 schools on the twelve "Nonroutine" questions, twelve of our students met the 99th percentile, two met the 98th percentile and four met the 87th percentile. Our institutional mean score for all thirty two students met the 95th percentile. This all indicates a very high level of achievement in demonstrating competence in analytical and critical reasoning.

5. Where applicable, outline the steps you will take to make improvements to the program based on the results of assessment activities identified in #3.

We will strive to sustain these results.

6. Are there any new resources needed to make program improvements? If so, please include the resources and provide justification for each in the Budget section of the Annual Report.

No.

Year Year 2

1. Identify the PLO your program assessed this academic year

3). Demonstrate college-level knowledge in applied mathematics

2. Identify the artifact(s) (i.e. student work) that you used to assess the PLO.

[Papers, presentations, portfolios, test items, specific assignments, capstone

Performance on standardized test questions--

3. Identify the tools (e.g. rubrics, surveys, performance on standardized test questions) used to assess the artifact(s) (i.e. student work

Performance on standardized test questions-

4. Explain the results of the assessment activities

Item Information Reports from the ETS Major Field Test for our thirty two mathematics graduates over the past four years were reviewed. These reports provide comparison of our students percent correct for each question with national results for 5332 students. The differences of percentages for our students minus national results for the ten "Applied" questions were, in decreasing order, 27.6; 18.1; 14.4; 10.0; 7.9; 4.0; 0.3; -2.5; -3.8 and -8.0. Moreover, when compared to the distribution of the institutional mean scores for 256 schools on the ten "Applied" questions, five of our students met the 99th percentile, eight met the 96th percentile and seven met the 79th percentile. Our institutional mean score for all thirty two students met the 87th percentile. This all indicates a very high level of achievement in demonstrating college-level knowledge in applied mathematics.

5. Where applicable, outline the steps you will take to make improvements to the program based on the results of assessment activities identified in #3.

We will strive to sustain these results.

6. Are there any new resources needed to make program improvements? If so, please include the resources and provide justification for each in the Budget section of the Annual Report.

No.