Program Assessment Plan for Mathematics, B.A.

Program Mission
To provide the students with the competency to employ quantitative reasoning to make informed judgments in a real-life situation, to utilize logical and critical thinking to advance mathematics, and to make contributions to the society by promoting mathematical reasoning and thinking.

Curriculum
The curriculum provides more than one opportunity for students to meet the Program Learning Objectives

Key Courses And Assignments
The Educational Testing Services' Mathematics Major Field Test is required for graduation. It is a standardized test that provides a wealth of pertinent assessment data.

Program Learning Outcomes to be Assessed

<table>
<thead>
<tr>
<th>PLO</th>
<th>ILOs to which the PLOs map</th>
<th>Year:</th>
<th>Where in the program does the evidence reside?</th>
<th>What tools are necessary to collect evidence?</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLO 1</td>
<td>1, 3</td>
<td>Year 1 Spring 2015</td>
<td>The evidence resides in the Item Information Reports from the ETS Major Field Test.</td>
<td>the University's subscription to the ETS' Pre-Benchmarks</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Benchmarks</th>
<th>ListOfSources</th>
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<td>Yes, namely, comparison with national results.</td>
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### Program Learning Outcomes to be Assessed

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<tr>
<th>PLO</th>
<th>2. Demonstrate competence in analytical and critical reasoning</th>
<th>ILOs to which the PLOs map</th>
<th>1</th>
</tr>
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<tbody>
<tr>
<td>Year:</td>
<td>Year 3 AY 2016-17</td>
<td></td>
<td></td>
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<tr>
<td>Is the evidence Direct or Indirect</td>
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<td></td>
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<td>What tools are necessary to collect evidence? (Rubics, Portfolio, Embedded Exam Questions etc.)</td>
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<tr>
<th>PLO</th>
<th>3. Demonstrate college-level knowledge in applied mathematics</th>
<th>ILOs to which the PLOs map</th>
<th>1,3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year:</td>
<td>Year 2 AY 2015-16</td>
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<td></td>
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<th>PLO</th>
<th>4). Demonstrate college-level knowledge in algebra</th>
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**Year:** Year 1 Spring 2015  
**Is the evidence Direct or Indirect:** direct evidence  
**Where in the program does the evidence reside?** The evidence resides in the Item Information Reports from the ETS Major Field Test.

**What tools are necessary to collect evidence? (Rubrics, Portfolio, Embedded Exam Questions etc.)** the University's subscription to the ETS' Pre Benchmarks  
**Yes, namely, comparison with national results.**

**List of Sources** Review Item Information Reports from the ETS Major Field Test.

## Program Learning Outcomes to be Assessed

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<th>PLO</th>
<th>5). Demonstrate college-level knowledge in analysis</th>
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**Year:** Year 2 AY 2015-16  
**Is the evidence Direct or Indirect:** direct evidence  
**Where in the program does the evidence reside?** The evidence resides in the Item Information Reports from the ETS Major Field Test.

**What tools are necessary to collect evidence? (Rubrics, Portfolio, Embedded Exam Questions etc.)** the University's subscription to the ETS' Pre Benchmarks  
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<th>6). Read, write, and communicate mathematics effectively</th>
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