

Appendix D Mathematics Program MULTI-YEAR PLAN 2011

| Outcomes                | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | 2015-2016 | 2016-2017 | Means of Assessment, Benchmark  | Who is in charge?  | How the loop will be closed /has been closed?   |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---|--|---|
| 1. Core Knowledge       | X         |           |           |           | X         |           | Major Field Test in Mathematics, 50% above the 75 <sup>th</sup> percentile  | Department chair coordinates discussion and work among all mathematics faculty | New senior capstone course is being developed in 2011-12 to provide more effective way of insuring students have mastered the material and of assessing the SLO.  |
| 2. Communication        |           |           |           | X         |           |           | Writing samples scored with rubric, 75% show improvement during term (will be changed in light of 2010/11 assessment) | Department chair coordinates discussion and work among all mathematics faculty | Corequisite to MA 180 has been changed for 2011-12 to insure that students are able to develop their skills more fully before having them assessed. Course in which SLO will be assessed beginning in 2011-12 has been changed to provide more informative student work. Software license will be upgraded to facilitate student learning and our assessment of their learning. |
| 3. Creativity           |           |           | X         |           |           |           | Externally reviewed journal problems, 50% get correct solutions according to the journal                              | Instructor of MA 180.  | If benchmark is not met, mathematics faculty will review the curriculum.  |
| 4. Christian Connection |           | X         |           |           |           | X         | Reflective paper scored with rubric, 50% score superior   | Department chair coordinates discussion and work among all mathematics faculty | New senior capstone course is being developed in 2011-12 to provide more effective way of insuring students have mastered the material and of assessing the SLO.  |
| <b>GE Projects</b>      |           |           |           |           |           |           |   |  |   |
| 5.                      |           |           |           |           |           |           |   |  |   |

Changes from 2010 report reflect instructions Align program-level assessment with the Institutional-level assessment.  
 NOTE: Six-Year Program Review Report due 9/15/2014