Course SLO of Record*Complete and submit to Division Dean and Office of Instruction*

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| **Course Name and Number**: Math 115 - IDEAS OF MATHEMATICS | **Date** October 21, 2013 |
| X Modification of Existing SLOs | ☐New Course  |
| **Lead Faculty approval to write or rewrite** **SLOs:\_\_\_\_\_\_\_\_\_\_\_\_**  |  |

 *Please Initial*

1. **Existing Course SLOs of Record** **to be rewritten (if applicable):**
* Students will demonstrate their ability to calculate the probability of various events by correctly identifying the characteristics of probability distributions and applying principles of probability, set, and counting theory in such calculations.
* Students will demonstrate their ability to determine the validity of arguments involving simple and compound statements by constructing representative truth tables and interpreting the results of such tables.
1. **Rationale for writing or rewriting SLOs** *(Note: Changes to SLOs should be substantive. It is recommended that only after several semesters of data collection and a full assessment of the Course should SLOs be changed:.*

The new SLO better is a better representation of course content and will provide easier reporting with new form.

1. **New Course SLOs:**
* Students will demonstrate the ability to understand the Fundamental Counting Principle and apply it to problems related to permutations and combinations.
* Students will demonstrate the ability to understand and apply the concept of probability to real-life situations.
* Students will demonstrate the ability to determine the validity of arguments involving simple and compound statements by constructing representative truth tables and interpreting the results.
* Students will demonstrate the ability to use operations with sets.

**Course SLOs of Record**

**Course Name and Number**: Math 115 - IDEAS OF MATHEMATICS

**Effective Date of SLOs:** FALL 2013 *(Semester and Year)*

**List all currently adopted Course SLOs of Record (include all SLOs for course):**

**Date SLOs adopted by Department:** October 11, 2013 – Mathematics Department SLOberfest *(attach evidence of adoption, meeting minute,; e-mail string)***List of faculty who participated in development of these SLOs:**

Dr. Jeremiah Gilbert, Dr. Stephanie Briggs, Dr. Vicente Alvarez, Dr. Victoria Anemelu, Kristin Dillard, Dr. Zadock Reid, Lori Blecka, Dr. Teri Strong, Ann Gibbons, Yvonne Beebe, Keith Lee, Dr. Abeir Israeil, Moustafa Kanawati, David Smith, and Michael Mayne.

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**Submitted By**