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

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| **Course Name and Number**: Math 108 - INTRO TO PROBABILITY & STATISTICS | **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 make statistically reasonable determinations using a level of significance, sample information, and normal or t-distribution tests to perform a hypothesis test on a claim about a population.
* Students will demonstrate their ability to describe and summarize data of samples and populations by using tables and graphs to correctly display statistical information.

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 describe and summarize data of samples and populations.
* Students will demonstrate the ability to correctly apply the addition and multiplication rules of a probability experiment.
* Students will demonstrate the ability to correctly evaluate probability from a binomial or normal distribution.
* Students will demonstrate the ability to correctly define and conduct a hypothesis test.

**Course SLOs of Record**

**Course Name and Number**: Math 108 - INTRO TO PROBABILITY & STATISTICS

**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**