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

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| **Course Name and Number**: Math 151 - PRECALCULUS | **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 solve real world problems employing systems of linear equations by making application of operations with matrices and their ability to translate English phrases into mathematical models to formulate and solve representative systems.
* Students will demonstrate their ability to construct the graphs of algebraic and transcendental functions by correctly applying concepts of rigid and non-rigid transformations (i.e., horizontal and vertical translations, reflections, stretches, and compressions) to the basic graphs of polynomial, rational, exponential, and logarithmic functions.
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 solve problems using matrices.
* Students will demonstrate their ability to construct the graphs of algebraic and transcendental functions and apply concepts of rigid and non-rigid transformations.
* Students will demonstrate the ability to evaluate limits.
* Students will demonstrate the ability to solve parametric equations, understand polar coordinates, and graph polar equations.

**Course SLOs of Record**

**Course Name and Number**: Math 151 - PRECALCULUS

**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**